

# Manufacturers Record

Exponent of America



\$6.50 per Year.  
Single Copy, 20 Cents.

Boston, Md.  
23, 1925

## A Lay Sermon by the Editor.

While irreligious influences are seeking to make the "monkey" trial at Dayton, Tenn., the occasion for filling the papers of the land with the wildest sensationalism, poking fun in every way possible at the people of Tennessee and elsewhere who believe in the Bible and accept its teachings, it has seemed not inappropriate for a business paper such as the Manufacturers Record to publish in this issue a lay sermon. This is done not only because of the relation of Christianity to this life and to the life of the world to come, but likewise because religion is the foundation, and the only sure foundation, on which to build business and civilization.

We know that a large proportion of the readers of the Manufacturers Record believe in Christianity, believe in the "old-time religion" as it has been called, the religion of the prayer-meeting, the religion which accepts Christ as the Son of God, and His sacrifice upon the Cross as Heaven's only means of saving a lost world, and that they will not, therefore, feel that this paper in publishing a sermon is stepping outside of its proper field.

If there had been any other way by which man could have been saved, then Calvary would have been a fearful tragedy, an infinite blunder. While man cannot fathom the mysteries of this world or the next, and mystery is everywhere, he can learn by personal experience the reality of the lesson as he looks upon Calvary, where the Son of God died that men might be saved—saved not only for the world to come, but saved from the domination of sin in this world.



*Griest Building* *Lancaster, Pennsylvania.*  
*C. Emlen Urban, Architect.*  
*The Foundation Company, General Contractor.*

The new Griest Building at Lancaster, Pennsylvania, was built for the Conestoga Terminal Company, a subsidiary of The United Gas and Electric Corporation, by The Foundation Company. It is a striking example of a modern building adapted to the uses of a public utility. The first floor provides a waiting room and ticket office for trolley traffic, and the basement is used as a show room for electrical appliances. Executive offices for the owner and rental space occupy the remainder of the building, except the upper two floors which are devoted to an assembly hall, banquet room and attendant facilities. In construction the Griest Building is modern in every respect. It illustrates a skillful combination of utility, economy and beauty in construction.

## THE FOUNDATION COMPANY

### CITY OF NEW YORK

*Office Buildings*  
*Industrial Plants*  
*Warehouses*  
*Railroads and Terminals*  
*Foundations and Underpinning*  
*Filtration and Sewage Plants*

ATLANTA  
 CHICAGO  
 PITTSBURGH  
 MONTREAL

SAN FRANCISCO  
 LOS ANGELES  
 LIMA, PERU  
 CARTAGENA, COLOMBIA

LONDON, ENGLAND  
 PARIS, FRANCE  
 LOUVAIN, BELGIUM  
 MEXICO CITY

*Hydro-Electric Developments*  
*Power Houses*  
*Highways*  
*River and Harbor Developments*  
*Bridges and Bridge Piers*  
*Mine Shafts and Tunnels*

**BUILDERS OF SUPERSTRUCTURES AS WELL AS SUBSTRUCTURES**



# Manufacturers Record

EXPONENT OF AMERICA

## CONTENTS

A Lay Sermon by the Editor.....Cover Page

### EDITORIALS

The Southern Exposition of 1926.....	54
Leaders in American Industry, Educators and Others Say Prohibition Has Justified Itself.....	55
The Income-Tax Law Should Be Amended.....	56
Are We Preparing to Destroy the Monroe Doctrine?.....	57
Over \$9,500,000,000 of American Money Invested Abroad.....	58
A New Florida Daily.....	59
Shall 3,500,000 Men Rule 110,000,000?.....	59
Views of an Army Officer and Others as to How to Destroy the Bootleg Industry.....	60
The Transformation of Herrin, Ill.....	61
Urging Tennessee Manufacturers to Exhibit at Next Year's Southern Exposition.....	61
Fellowship for Research Work at Florida University.....	62
The People Should Be Instructed.....	62

### NEWS ARTICLES

A Lay Sermon Suggested by the Fight Against Opening the Dayton Court With Prayer By Richard H. Edmonds	63
"Upon the Welfare of the Farmer Depends the Success of the Banker" By Oliver J. Sands	67
Revolutionizing a Farming Section Where Cotton Has Given Way to Trucking By Jack Wooten	70
A Reply to Federal Reserve Board's Opposition to Carolina Branch of Reserve Bank By W. H. Wood	75
Southern Students Capture Half of Scholarship Awards by American Chemical Society....	76
How the Child Labor Amendment Would Wreck the Government...By Willard J. Banyon	77
A True Sketch of a Southern Cotton Mill Town.....By David H. Clarke	80
Changing Conditions in the Lumber Industry.....	82
The Bat as a Mosquito Destroyer.....	83
In Such Lives Is the Hope of the World.....By E. S. Glascock	84

### DEPARTMENTS

News and Views From Our Readers.....	85	Mechanical .....	93
The Iron and Steel Situation.....	87	Construction .....	94
Railroads .....	88	Machinery, Proposals and Supplies Wanted.....	106
Textile .....	90	Trade Literature.....	108
Good Roads and Streets.....	91	Financial News.....	111
Lumber and Building Materials.....	92	Industrial News of Interest.....	114

#### PUBLISHED EVERY THURSDAY BY THE MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Sts., Baltimore, Maryland.  
RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;  
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

RICHARD H. EDMONDS, Editor.

BRANCH OFFICES:  
CHICAGO, 11 So. La Salle St. NEW YORK, 901 Singer Bldg.  
CINCINNATI, 923 Union Trust Bldg.

#### SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers if available and not over one month old, 20 cents each. From one month to six months old 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

MEMBER ASSOCIATED BUSINESS PAPERS, INC., AND AUDIT BUREAU OF CIRCULATIONS.

### Reduced Cost to the Consumer

Through the economies and efficiencies of Improved Machinery is the ladder on which rich and poor together have advanced to a higher plane of living.

It may also be made the means of restoring the disturbed business equilibrium.

The Northrop Loom is the best tool to use. Let's Talk It Over.

### DRAPER CORPORATION

Hopedale Massachusetts

Southern Office Atlanta Georgia

Copyright 1917 by Draper Corporation



Don't depend on teams, trucks or inclines for hauling. Use the air. Overhead haulage is practical, economical.

Send for Catalog No. 84

**BRODERICK & BASCOM ROPE CO**

New York ST. LOUIS, MO.

Seattle  
F-340

## B & B Aerial Tramways

## ELWELL-PARKER

### Industrial Haulage Equipment

Over twenty types of electric industrial tractors to speed up production and reduce material handling costs.

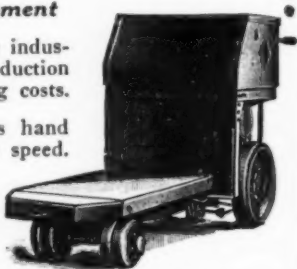
Handles on average 8 times hand trucking load at 3 times the speed.

Consult our engineers regarding labor saving problems.

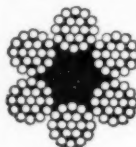
CATALOG 1209

**THE ELWELL-PARKER ELECTRIC CO., CLEVELAND, O.**

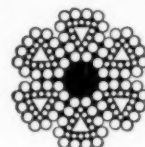
"Pioneer Builders Electric Industrial Trucks"



## "LESCHEN" WIRE ROPE



Leschen Wire Rope is made in various grades and in numerous constructions in order to meet all conditions. Tell us how you use wire rope and we shall be glad to suggest the kind that will give you the best results.



Established 1857

**A. LESCHEN & SONS ROPE COMPANY**  
ST. LOUIS

New York

Chicago

Denver

San Francisco



### Punch Press Counter

Heavy-case ratchet mechanism, for recording product of heavy-duty machinery. Sets back to zero by turning knob. Cut about 1/5 size. Price \$18.00.



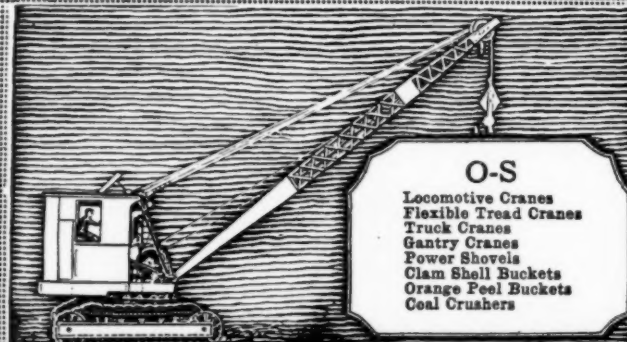
### Loom Pick Counter

Records output in picks, in hundreds or thousands. Goes on arch of loom; faces the operative with his record. Price \$16.00.

Work moves at the counter-equipped machine! Because work alone moves the figures of the counter. Work alone makes the record that indicates workman's earnings. Results must be shown; write for booklet.

**THE VEEDER MFG. CO.**

17 Sargeant St.  
Hartford, Conn.



### O-S

Locomotive Cranes  
Flexible Tread Cranes  
Truck Cranes  
Gantry Cranes  
Power Shovels  
Clam Shell Buckets  
Orange Peel Buckets  
Coal Crushers

**ORTON & STEINBRENNER CO.**

608 S. Dearborn St.  
Chicago - Illinois



**BLACK DIAMOND**  
Files have many friends

**G. & H. BARNETT CO.**  
1078 Frankford Ave., Philadelphia, Pa.  
U. S. A.  
Owned and Operated by NICHOLSON FILE CO.  
Providence, R. I.

## "ANYTHING IN SPRINGS"



is just one of our sayings. Another is — **RAYMOND Wire SPRINGS** give highly efficient, dependable, economical and long lived service.

Let our Engineering Department consult with you about your spring problems.

**RAYMOND MANUFACTURING CO.**  
Corry, Penna.

# Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. LXXXVIII No. 4 }  
Weekly }

BALTIMORE, JULY 23, 1925.

{ Single Copies, 20 Cents.  
\$6.50 a Year. }

## In This Issue.

Oliver J. Sands, president of the American National Bank, Richmond, in an address before South Carolina bankers which literally burns with the intensity of its fire the methods pursued by many bankers, called upon the bankers of that state, and indirectly upon the bankers of the country, to recognize that without agricultural prosperity there can be no prosperity for the bankers. He emphasized with clearness and force the failure of the bankers of South Carolina to measure up to the responsibility which rests upon them in neglecting to co-operate with the farmers of their state in bringing about better methods of farm co-operative work and of lower rates of interest.

### *Upon the Welfare of the Farmer Depends the Success of the Banker.*

If a man not engaged in the banking business had made such an address, he would have been charged by the bankers of the country with talking about things with which he was not acquainted. He would have been denounced for criticising bankers without knowing anything about the banking business. But no such charge can be brought against Mr. Sands. As a banker with many years' experience, and as the president of the Tobacco Growers Co-operative Association, he has come into intimate touch with agricultural life as well as with financial activities. He realizes, and states with exceeding clearness, that the bankers have failed to do their duty by the farmers, and that in this failure they, themselves, have lost where they might have gained. It is a rare speech. It ought to go into the hands of every banker in America, and the MANUFACTURERS RECORD would press upon its readers everywhere a careful study of the illuminating discussion of the subject by Mr. Sands.

Probably the most thoroughly misunderstood and misrepresented industry in the world, misrepresented and denounced by men and women who know nothing whatever of the situation, is the cotton-mill business of the South. The cotton mills have been held up to the world's scorn on the alleged claim that they were practically slave-drivers of poor little helpless children. Much of the activity of those who have fought for the Child Labor Amendment was due to falsehoods told on Southern cotton mills. It is doubtful if any other industry in the world's history has, in proportion to its capital and the number of employes, done as much for the benefit of the lives of their employes and for the care of children in these mill villages as have the cotton mills of the South. A true sketch of a Southern cotton-mill town is given by David Clarke, a cotton-

mill employee. He writes from personal experience, knowing exactly the conditions in cotton-mill villages, and tells the story of an Alabama mill town as typical of what is to be found in other mill villages throughout the South.

It is never safe to depend upon rumors emanating from Washington. Often they are rumors pure and simple without foundation in fact, but occasionally the rumors that emanate from that center of political activity and political mismanagement are put out for a purpose, and that is to see what reaction they produce. There is a rumor going abroad from Washington that seems to be of sufficient importance to justify the consideration that is being given to it by some reliable news agencies. It is to the effect that the Administration may invite a conference of certain foreign Governments for determining the common policy with reference to Mexico. If there is any foundation for that rumor and if the idea should be carried out, it should be designated as a plan for the destruction of the Monroe Doctrine and for producing interminable entanglements on this continent and all others. Some of the reasons for this position are given elsewhere in this issue.

### *Are We in Danger of Destroying the Mon- roe Doctrine?*

An agricultural revolution has been wrought in the coast section of South Carolina. Poverty and despair have given way before prosperity and optimism. The story of how this has been accomplished is one of entrancing interest. It carries a lesson for business people and farmers throughout the entire country. Perhaps the methods adopted in that particular section might not be feasible in every part of the land. But the lesson is there, nevertheless, and if well studied it will open up endless opportunities for betterment to millions of people who in one way or another could follow the example of that group of South Carolina farmers who have taught the nation how to bring about the change from agricultural poverty to agricultural prosperity.

### *A Possible Rebirth of Agriculture.*

In the little town of Meggetts, S. C., there has been brought into existence a system of crop insurance, crop marketing and crop financing which, so far as we know, has no duplicate anywhere else in the United States. Years ago one South Carolina farmer, bereft of all possessions except his land by reason of the poverty following the war, dreamed a dream of the possibility of turning his land from sea-island cotton into truck growing. Overcoming many difficulties, his initiative and energy have enabled him to lead the way for the farmers of his section who, impoverished by the loss of



the sea-island cotton business, saw nothing but poverty before them. He and his collaborators, undaunted by many hardships which they had to overcome, have apparently, to some extent at least, prepared the way through crop insurance and crop financing for the possible revolutionizing of the agricultural interests of the country.

The crop-insurance idea recently described in the MANUFACTURERS RECORD is being tested out in that section. Thus far the method has been a success. It has enabled farmers to secure money at a low rate of interest and relieved them of the Shylock claims of many who had formerly grown rich by robbing the farmer, or at least by reason of the uncertainty of their own risk burdening him with very heavy cost for money and for the handling of his product.

The story of this revolutionizing movement in agriculture as given in this week's issue is an entrancing one. It will stir many a man to a study of his own problems with a view to seeing whether he cannot find a way to do the same kind of work and bring forth the same kind of results for himself and for his community. If this story as it appears in today's issue could be put into the hands of every farmer in the country, its value would be beyond calculation.

Judge Willard J. Banyon of St. Joseph, Mich., under the heading "How the Child Labor Amendment Would Wreck the Government," discusses the proposed Twentieth Amendment and points out what is back of it and the influence which it would have upon this country. The Child Labor Amendment, largely fomented by the bolshevistic element

#### *The Possible Evil of the Child Labor Amendment.*

which would gladly destroy this Government, and by sentimentalists who do not at all understand the situation, would deprive the children of all coming years of those sturdy character-building activities in younger life which have made the men of this generation.

No one can possibly believe in unwise employment for immature children, but we venture the assertion that every successful man of this generation, if he had been under the galling control of the Child Labor Amendment as proposed, would have failed to achieve for himself and the world what he has been able to accomplish. The Child Labor Amendment, if ever adopted, would destroy initiative and self-reliance, would take from youths up to 18 years of age the right to work except under the domination of bureaucratic control of a lot of maiden ladies in Washington who never had any children of their own and who know nothing about the management of children. Judge Banyon states the case with clearness.

#### UNIVERSITY EXTENSION WORK.

THE University of Kansas has an extension division, or bureau, which includes the preparation of package libraries which are loaned free of charge to the residents of Kansas. Miss Pauline Hildinger, secretary of the Bureau of Information of the University, writes:

"We are attempting to assemble a large number of these packages on the subject of child labor. That is the question to be debated by the State High School Debating League. We should like to have the following numbers of the MANUFACTURERS RECORD for use in this work, providing you do not object to our making duplicate typewritten copies."

It is needless to say that the MANUFACTURERS RECORD has no objection to the University of Kansas making duplicate copies of anything which this paper publishes in the interest of the welfare of the country. Possibly what this University is doing could be done to advantage by all other universities in the country.

#### THE SOUTHERN EXPOSITION OF 1926.

PLANS are under way for repeating on a larger scale next year the Southern Exposition in New York. William G. Sirrine, president of the Southern Exposition, who fathered and carried through that undertaking despite many handicaps and discouragements, is handling all of the details in connection with the proposed Southern Exposition for 1926.

The MANUFACTURERS RECORD has received a number of letters indicating that many of our readers were crediting this paper with having fathered the 1925 Exposition and likewise the proposed Exposition of 1926. This is an error. No one connected with the MANUFACTURERS RECORD in any way whatever was connected with the 1925 Exposition nor will be with the 1926 Exposition. The entire matter is in the hands of Mr. Sirrine. He alone is responsible, with those who may be associated with him, in carrying forward this great work. The MANUFACTURERS RECORD believed that the 1925 Exposition would be of enormous value to the South and therefore it constantly urged the South to take an active part in that plan. Judging by the widespread publicity and the enthusiastic endorsement by Southern and Northern people alike of the results of that Exposition, there is full justification for a still more comprehensive exhibit to cover the entire South in the fall of 1926.

We trust that the cities and states and railroads which were represented will next year be represented on a still larger scale, and that the states and the railroads which were not represented will appreciate the opportunity of making the 1926 Southern Exposition worthy of the occasion and worthy of the boundless resources and opportunities of the South. The last Exposition turned the thought of millions of people toward the South. It stimulated the South itself, it quickened the energies of its people, and if the 1926 Exposition is as adequately supported as it should be, then still greater results—far greater indeed—will be accomplished.

But all correspondence in regard to that Exposition should be addressed to President Sirrine and in no way whatever to this paper. The publication of the MANUFACTURERS RECORD measures the full working capacity of everybody connected with it, and for that reason no one in this office can at any time be identified in managerial work connected with any other outside enterprise. The task in this office taxes the mental and physical capacity of every man connected with the MANUFACTURERS RECORD.

#### SAUCE FOR THE GOOSE AND THE GANDER ALIKE.

AN English magazine, the Patriot, takes a new way of giving a crack at the dole system to the unemployed of England. In a recent issue it proposes that if employees are to be sustained by the dole system, then employers should be treated in the same way. Many an employer has a harder time than the employee. The suggestion of the Patriot is as follows:

"If the unemployed are to have work found for them, then work must be made at least self-supporting if conducted by private employers, and there can be no more theoretical or practical arguments against Government aid to employers than there exists against the dole as now practiced. Work which produces some transferable form of wealth is far more desirable for the country than Government work on roads or other remote sources of benefit to the people. Individual capitalists have made many sacrifices to keep industries alive and men employed. They get no gratitude for it, but are subjected to new methods of taxation as fast as these can be invented by Socialists and accepted by the governing authorities."

# Leaders in American Industry, Educators and Others Say Prohibition Has Justified Itself.

**T**HREE years ago the MANUFACTURERS RECORD published in pamphlet form letters from several hundred leading business men and educators throughout the country expressing their views as to prohibition measured from the economic and moral standpoint. Some few letters, not many, were opposed to prohibition, but the overwhelming majority of them were in favor of prohibition.

Recently the MANUFACTURERS RECORD was challenged to ask those who at that time wrote in favor of prohibition whether they still favored prohibition in view of the violation of the law and the general lawlessness of the land. We accepted the challenge without the slightest knowledge as to how those who three years ago wrote in favor of prohibition stood at the present time on that subject. But we recently asked them the question, determined to publish their replies in full whether for or against prohibition.

We confess that the replies as a whole have surprised us. We thought that possibly here and there some men might have changed their opinion, but the overwhelming testimony is in favor of prohibition and a more drastic enforcement of these laws. Up to the moment that this editorial is written only two replies out of a hundred or more had been received advocating moderation of the law; all others are strongly in favor of prohibition, giving their reasons therefor, and saying that they had seen no reason for changing their previously expressed view in favor of prohibition.

This is far and away, in our opinion, the most important symposium which has ever been published on the prohibition question. It will inevitably have a world-wide effect, for the nations of the world are studying the prohibition question as they never did before. The combined liquor interests of the world are trying to break down prohibition in America, using their utmost power to influence public opinion for this purpose. Everything which can be published against prohibition and its enforcement is being given the widest circulation in daily papers and in other ways.

Among those from whom letters have been received strongly in favor of prohibition are the following:

E. H. Gary, Chairman, United States Steel Corporation, New York.

J. E. Edgerton, President, National Association of Manufacturers, Nashville, Tenn., and New York city.

Asa S. Wing, President, Provident Mutual Life Insurance Co., Philadelphia.

Edson S. Lott, President, United States Casualty Co., New York.

George M. Verity, President, The American Rolling Mill Co., Middletown, Ohio.

S. S. Kresge, head of the Kresge chain of 5-cent and 10-cent Stores, New York.

W. J. Harahan, President, The Chesapeake & Ohio Railway Co., Richmond, Va.

William A. White, Superintendent, St. Elizabeth's Hospital,

United States Department of the Interior, Washington, D. C.

W. H. Cowdery, President, The American Fork & Hoe Co., Cleveland, Ohio, with factories located at Ashtabula, Ohio; Wallingford, Vt.; St. Johnsbury, Vt.; Fort Madison, Iowa; Geneva, Ohio; Harriman, Tenn.; Montrose, Ohio; Girard, Pa.; Frankford, Philadelphia, Pa.; Memphis, Tenn.; Jackson, Mich., and Cleveland, Ohio.

Eugene N. Foss, former Governor of Massachusetts and president of the B. F. Sturtevant Co., Boston, Mass.

Otis N. Pierce, President, Grinnell Manufacturing Corporation, New Bedford, Mass.

David D. Lupton, Vice-President, David Lupton's Sons Co., Philadelphia, Pa.

Wm. R. Nicholson, President, The Land Title & Trust Co., Philadelphia, Pa.

Eugene Lyman Fisk, M. D., medical director of the Life Extension Institute, Inc., New York.

R. H. Scott, President, Reo Motor Car Co., Lansing, Mich.

W. T. Beatty, President and General Manager, Austin Manufacturing Co., Chicago, Ill.

John M. Dodson, Executive Secretary, American Medical Association, Bureau of Health and Public Instruction, Chicago, Ill.

W. E. Mack, Superintendent of Service, The Carborundum Co., Niagara Falls, N. Y.

A. D. Reynolds, Manufacturer and Capitalist, Bristol, Tenn.

Howard A. Kelly, M. D., a surgeon of world-wide fame, Baltimore, Md.

J. D. Eggleston, President, Hampden-Sidney College, Virginia.

Huston Quin, Mayor of Louisville, Ky.

Woodbridge N. Ferris, United States Senator, Washington, D. C.

William Louis Poteat, President, Wake Forest College, North Carolina.

W. T. Thompson, formerly Attorney General of Nebraska, Lincoln, Neb.

John Harvey Kellogg, M. D., Superintendent, Battle Creek Sanitarium, Battle Creek, Mich.

W. B. Storey, President, The Atchison, Topeka & Santa Fe Railway System, Chicago, Ill.

Carl R. Gray, President, Union Pacific System, Omaha, Neb.

H. S. Fredenburgh, Secretary and Comptroller, The Goulds Manufacturing Co., Seneca Falls, N. Y.

T. N. Carver, Ph. D., Department of Economics, Harvard University, Cambridge, Mass.

R. A. Schoolfield, Chairman, Riverside and Dan River Cotton Mills, Danville, Va.

Wm. H. Taylor, Associate Justice of the Supreme Court of Vermont, Hardwick, Vt.

Chase S. Osborn, former Governor of Michigan, Sault De Sainte Marie, Mich.

Haven Emerson, M. D., Department of Public Health Ad-

ministration, College of Physicians and Surgeons, Columbia University, New York city.

Harvey W. Wiley, M. D., Director of Bureau of Foods, Sanitation and Health, Good Housekeeping, Washington, D. C.

J. J. Phoenix, President, Bradley Knitting Co., Delavan, Wis., with branches at Milwaukee, New York, Chicago, Atlanta, Detroit, San Francisco and Honolulu.

Hugh M. Dorsey, Former Governor of Georgia, Atlanta, Ga.

Rockwell D. Hunt, Ph. D., Dean of the Graduates School and Professor of Economics in the University of Southern California, one of the largest educational institutions of the Pacific Coast, Los Angeles, Cal.

Rev. Percy S. Grant, D. D., New York.

Frederic Almy, Publicist, Buffalo, N. Y.

Bird W. Spencer, President, Peoples Bank & Trust Co., Passaic, N. J.

Charles Donnelly, President, Northern Pacific Railway Co., St. Paul, Minn.

Joseph W. Marsh, President, Standard Underground Cable Co., Pittsburgh, Pa., with factories in Pittsburgh, Perth Amboy, N. J.; St. Louis, Mo., and Emeryville, Cal.

D. Robert Yarnall, Yarnall-Waring Co., Chestnut Hill, Philadelphia.

B. R. Hieronymus, Chairman, The Illinois National Bank, Springfield, Ill.

Lawrence F. Abbott, Contributing Editor "The Outlook," Cornwall, N. Y.

Charles Zorn, President, The Canton Maleable Iron Co., Canton, Ohio.

Wm. A. Vawter, II, Baker-Vawter Co., Denton Harbor, Mich.

D. Seltzer, Vice-President and General Manager, The Ohio Cultivator Co., Bellevue, Ohio.

H. P. Smith, Secretary and Treasurer, McInnes Steel Co., Corry, Pa.

Albert M. Barrett, M. D., Director, State Psychopathic Hospital, University of Michigan, Ann Arbor, Mich.

William T. Foster, Ph. D., LL. D., Director, Pollak Foundation for Economic Research, Newton, Mass.

Arthur Jordan, Manufacturer, Indianapolis, Ind.

Upton Sinclair, Author, Pasadena, Cal.

E. A. Ross, Professor of Sociology, Department of Economics, University of Wisconsin, Madison, Wis.

And many others.

This symposium, which in many respects is, we think, much the most important we have ever published, will appear in the MANUFACTURERS RECORD next week to the extent of 20 or 25 pages and will be reprinted in full—including many more letters which cannot be given in the space available in the MANUFACTURERS RECORD—in pamphlet form. The widest possible circulation of this pamphlet would be invaluable to this country and to the world. We trust that those who are interested in having the story of what prohibition is doing, and the reasons for its maintenance, will order as many copies as they feel justified in doing for distribution among their acquaintances and wherever such a story as these letters will tell can be used to advantage.

The price of these pamphlets will be 50 cents a copy up to

100 copies. Over 100 the price will be 35 cents per copy.

The pamphlet which we published three years ago, entitled "The Prohibition Question Viewed from the Economic and Moral Standpoint," was bought in large quantities by the hundreds and the thousands, and in one case up to 10,000, and it had a very marked effect in shaping the thought of this country. Many copies were ordered for circulation in foreign lands. One order alone sent 1000 copies to Australia, and another a copy to every member of the Australian Parliament.

This new pamphlet will be called:

#### **"PROHIBITION HAS JUSTIFIED ITSELF**

**As Judged by Many of the Foremost Business Men and Educators of the Country."**

Orders for copies should be forwarded at once, and in all cases of less than 50 copies should be accompanied by check or money order.

#### **THE INCOME-TAX LAW SHOULD BE AMENDED.**

**S**HOULD a recent ruling by Justice Adolph A. Hoehling stand as enunciated in an income-tax controversy before the Equity Court of the District of Columbia, still another protective screen will be removed from the privacy of all individuals' and corporations' business affairs. As explained in a news article in the Washington Post:

"While the income-tax laws permit the publication only of the amount paid by income tax, it appears that Justice Hoehling's decision goes much further and permits the actual returns to be produced before the Board of Tax Appeals in a tax appeal case upon the demand of a person or firm appealing from a ruling by the Commissioner of Internal Revenue. All documents produced before the board are public property and, when produced, there is nothing to prevent anyone seeing them."

In the case in question, the Oesterlein Machine Company of Cincinnati obtained from the Board of Tax Appeals a subpoena requiring the Commissioner of Internal Revenue to produce returns made by certain firms in the same line of business, professedly to ascertain how the Commissioner had computed their invested capital and how he had fixed the amount they should pay as excess profits taxes. Contentions by the Commissioner that such disclosure would be against the law and also would violate the business secrecy to which these firms were legally entitled are set aside by this decision. An appeal has been noted by Commissioner Blair.

Either the Congress did not intend to throw all corporation and private business affairs open to all the world, but drew the law so loosely as to make such publicity legal, or it did intend to prevent even legitimate business secrecy for any man, woman or corporation or private business concern. If the former were the case, the law should be amended to correct the glaring evils now so conspicuous. If Congress so acted with deliberate intent, it should be compelled by an outraged majority of the people to change a law advocated by only a minority, made up chiefly of demagogues and Socialists and their ignorant dupes.

#### **ANOTHER POSSIBLE STEEL PLANT IN SOUTH.**

**A** DISPATCH from Youngstown, Ohio, to the Wall Street Journal suggests the possibility of the Republic Steel Company expanding in the South its steel-producing possibilities. An official of the company is quoted as suggesting the need of an installation of an open-hearth plant and finishing mills, although he does not believe that this will come about in the very near future.



## Are We Preparing to Destroy the Monroe Doctrine?

A "RUMOR" comes from Washington that the Government is thinking of breaking down one of the buttresses of the Monroe Doctrine. The scheme appears to be to invite a conference with "certain" European countries for determining a "common policy" for settlement of the Mexican question.

Rumors from Washington are always perilous. When something is under consideration that the Government knows is not in accord with precedent, or is out of harmony with the public sentiment, the first symptom is a "rumor." That, being indefinite, fails to provoke a sharp reaction. It possesses the advantage of gradually, without alarm, accustoming the public mind to the idea. It is after the order of stalking game. Frankly, it is a means of sneaking up on the people to catch them off their guard.

Despite the evident relish with which some of our would-be statesmen dabble in foreign affairs that are no affairs of ours, and become signatories to treaties that possess no conceivable interest to the American people, there is no doubt whatever that the electorate in this country is as near in accord as a nation of voters can be that the Monroe Doctrine must be upheld. The late President Wilson knew this. Though venturing to violate certain warnings of Washington, and hoping to make it stick, he felt it obligatory to secure the recognition by the Powers of the Monroe Doctrine. That was one principle which had become a cornerstone of American political doctrine. The American people think they know what the Monroe Doctrine is, and yet it is vague in some respects. Admiral Mahan said that the very elasticity of the doctrine was what gave it the value of a living principle. It is certain that, if put to a vote, the American people would say that an invitation to the Powers to co-operate in deciding what to do with Mexico was a violation of the Monroe Doctrine. They would see in this a sanction for European intervention as regards any policy that we might undertake to pursue toward any of the Latin Republics. It would involve us in everlasting dispute with Europe, and would result in bringing the principle of a balance of interests and of power to bear on the settlement of all questions in the Western Hemisphere. The opportunity would seem to lie open for a perplexing maze of political combinations among the Latin countries, and between them and foreign Powers.

We are disposed to regard the Monroe Doctrine as meaning essentially the prohibition of any form of interference by European nations in the concerns of any or all of the independent States in the Western Hemisphere. That it includes this specific principle is indubitable. An acute Mexican diplomat, Isidro Fabela, who has been Ambassador from Mexico to many countries, including European Courts, reveals that the Spanish-American has scrutinized the Monroe declaration more critically than most of our own people, and he voices a common doubt as to the breadth of the doctrine when he asks what meaning is to be attached to it. The message of Monroe in December, 1823, was diffuse, and laid down several principles. Fabela points to three of these, and asks which of them constitutes the Monroe Doctrine, since evidently we have not, in our own practice, observed them all. Fabela wants to know whether the whole message is the Monroe Doctrine or only parts of the message. Is it a principle against further colonization in America or against European intervention in the affairs of this Hemisphere, or is it against the intervention of the United States in the existing European colonies in America? All three points were discussed in the message.

If we were to illustrate by history, we would be in considerable confusion. We summarily drove the British out of Greytown, which was an application of the principle against further colonization as understood by our people at large.

We drove the British out of the Bay of Fonseca when they undertook to collect overdue bonds by settling on the islands in the bay, which would have formed a very pretty naval base on the Pacific Coast of Central America. We did not drive out the French when they landed marines in Mexico to collect debts owed certain French citizens. We did interfere, as soon as the Civil War was over, with the establishment of an Austro-French Empire in Mexico. We did not interfere when the Emperor of Austria, in 1881, as arbitrator between Nicaragua and the Mosquito Coast, interpreted the Treaty of Managua to mean that England was entitled to assume control of the coast under certain conditions, thereby giving her power effectively to occupy the territory. We quite overlooked the Bidlak-Mallarino Treaty of 1846, in which we guaranteed the territorial integrity of Colombia, when we arranged the secession of Panama and inspired all Latin America with suspicion of our own integrity as a nation. It would seem that the assumption of a right to protect all America against aggression should, even without treaties, suffice to put us in the position of guardian of the rights and the sovereignty of the weaker nations whose protector we had thereby made ourselves.

There is no question that Europe fully understands that the Monroe Doctrine means, so far as they are concerned, "Hands Off!" in Latin America. It would be well that all the republics to the South of us should realize also this clear unequivocal meaning. It would promote peace throughout the world.

If, on the other hand, the Government wishes to promote disputes and war; if the desire is to invite all manner of Balkanesque political combinations for the eternal turmoil of the states south of us, the surest way to do it would be to hold a conference with "certain" easily guessable European countries for the determination of a policy for Mexico as "rumored." Then we would have plenty of excitement all the time. Mexico and Peru and Chile and all the rest of them would be forming alliances and cross-alliances, and double-cross alliances, and we would have to build up a great army and a powerful navy, and lose our separate peace, which used to be called "isolation" (now an unpopular word with the internationally minded), and we would have to train our diplomats not to take off their coats, and all our sweet pioneer pleasantries would be swept into the discard. We would become internationalized and sophisticated.

After the solemn warning that the voters gave Wilson in 1918; after the sturdy majority of nationalists, that they would have nothing to do with foreign entanglements, in 1920; after the argument pro and con over questions of foreign entanglements and internationalism that placed Coolidge in the Presidential chair with as clear a mandate as a President ever had to drop this flirting with Europe, we should think that the Administration would hesitate long before inviting such a catastrophe as would follow the admission of any European representatives to a council for settling a policy for Mexico. Has our ability as a hard-headed people sunk so low that we cannot formulate respectable policies of our own? General Calles announced, on the very lawn of the White House, that Mexico was competent to determine her relations with other Powers "by herself alone." Are we not as well provided as he with a spinal column?

We believe that a foreign policy toward Mexico, conceived in a spirit of finality, courteous, kindly, but firm, and carried out strictly according to the principles and usages of diplomatic intercourse between the leading nations of the world, would soon produce results in establishing an *entente cordiale* with our neighbor. At least, as a departure from our blunders of the past 15 years, the experiment is worth trying.

## OVER \$9,500,000,000 OF AMERICAN MONEY INVESTED ABROAD.

PEOPLE of the United States are still pouring hundreds of millions of dollars of private capital into foreign countries through buying foreign governmental and private industrial securities. Of the total of \$9,522,000,000 invested abroad today less than 44 per cent of it is in Government guaranteed obligations, the balance being in industrial securities and direct investments.

The MANUFACTURERS RECORD has no quarrel with foreign seekers of American cash. It does not blame them for trying to capture as much of this lifeblood of commerce as they can. But it is hard to understand the reasoning of American investors in lending their money abroad when sections of this country are crying for increased capital and offering opportunities of investment unsurpassed. America, admitted by the world to be the land of opportunity, a place for money making par excellence, the El Dorado of millions of foreigners and the safest country with the greatest advantages for investment known, can use every dollar of available capital accumulated here. Every dollar of American money invested in American enterprises adds just that much to the country's wealth-producing power, creating more opportunities for employment, enlarging every form of business activity, which, in turn, creates additional demands for our investing surplus. But every dollar of private capital sent abroad reduces to that extent the material development and wealth-producing power of the United States.

According to the Department of Commerce, our foreign investment of private capital, *exclusive of the amounts owed our Government by foreign Governments*, amounts to \$9,522,000,000. This is roughly distributed as follows:

Region	Government guaranteed obligations	Industrial securities and direct investments	Total
Canada and Newfoundland .....	\$1,125,000,000	\$1,420,000,000	\$2,545,000,000
Latin America .....	915,000,000	3,225,000,000	4,140,000,000
Europe .....	1,665,000,000	450,000,000	2,115,000,000
Asia and Oceania .....	442,000,000	280,000,000	722,000,000
Total .....	\$4,147,000,000	\$5,375,000,000	\$9,522,000,000

At the end of 1924 our foreign investments of private capital aggregated \$9,090,000,000. Although the reduction in outstanding foreign loans during the first half of 1925 through the operations of sinking funds and the repayment of maturing obligations has been considerable, other investments and loans placed privately doubtless would have offset these, and the Department of Commerce estimates that our foreign investments of new capital flotations for the first six months of this year have increased by at least \$437,000,000, or more than double that for the first six months of 1924.

The par value of foreign securities publicly offered in the United States during the first six months of 1925 amounted to \$551,591,000, as compared with \$379,700,000 for the corresponding period of last year. Up to July 1 sixty-three foreign issues were brought out, as compared with forty issues offered during the first half of 1924. The volume reached did not, states the Department, keep pace with the total attained during the last half of 1924, amounting to \$830,087,000, of which \$652,087,000 represented new capital.

Loans to Governments and enterprises enjoying a governmental guarantee again formed a large proportion of the total, amounting to \$416,671,000, of which \$312,171,000 was new capital. Of corporate issues totaling \$134,980,000, new loans accounted for \$125,095,000. These figures represent a marked increase in the proportion of foreign corporate financing. During the entire year 1924 corporate loans amounted to \$150,000,000, or less than one-seventh of the total, while they represent about one-fourth of the total for the first half of 1925. The increase in the actual amount of such issues over the first half of 1924 was about \$85,000,000. European

corporations received \$48,100,000, most of which will be used as working capital. German industry alone received \$36,000,000 for this purpose.

Europe was the largest borrower during the first half of 1925, with a gross volume of loans amounting to \$237,600,000; Latin America came second, with \$151,081,000; Canada took third place, with \$131,910,000. While Asia led last year, with \$125,000,000, consisting of one loan to the Japanese Government, it was fourth this year, having received only \$31,000,000.

One point which should be remembered is that the figures quoted include only foreign securities *publicly* offered in the United States. The MANUFACTURERS RECORD hopes that in the future some of this ready cash will remain in this country and be turned to the relief and advantage of American expansion. Every dollar invested in America serves a double purpose—it remains in this country and helps to add others to it *in this country*. But more than that, in pouring these vast sums into foreign countries we are entangling our country in endless financial influences which will largely shape our future relations to the world. Let any of these heavy loans default, as doubtless many of them will do, and our financial interests would instantly use their power to induce this Government to demand payment even if that meant at the cannon's mouth. That is the policy often pursued by other money-lending nations, and we have in some cases—such, for instance, as in Haiti and elsewhere followed their example. It should be our distinct and determined policy that the dollar which goes abroad for investment goes at its own risk, however contrary that may be to Old World policies.

## SOME HOT-WEATHER LANGUAGE.

THE Rappahannock Record of Kilmarnock, Va., has recently been publishing letters of denunciation by two men in that vicinity, one of the other. Evidently the heated term has had some effect in that section of Virginia, for in the last letter of this controversy which appeared in the Kilmarnock Record there were such expressions as the following:

"A compilation of filthy, dirty falsehoods of a scandalous and defamatory nature, written by that human hunk of carrion. \* \* \* Now that this prevaricating, false-hearted, dirty, filthy-minded, nauseous and contemptible and lecherous piece of bestiality has abandoned the truth entirely, and resorted to unmitigated falsehoods—yes, dirty, common, filthy falsehoods—in a feeble effort to extricate himself from the diabolical web that he spun for me, but within whose clutches he, himself, is irretrievably held, and held fast and tight. I feel it a duty that I owe to the demos and myself and incumbent upon me to elucidate and clarify matters by making a few remarks that can be verified and substantiated by persons of honor and repute, and whose social status is not of an ambiguous nature nor do they belong to substratum of society. \* \* \* Does the filthy, carrion-tongued nincompoop \* \* \* . The vacuum-headed sapajon has not encephalon enough to fully comprehend what 'logic' is were he to meet it in the road clothed in purple robes \* \* \* . That personification and symbol of ignorance and perfidy \* \* \* . That filthy-mouthed poltroon has the brazen effrontery to speak of a 'recluse' and 'logic'. \* \* \* That dirty, false-hearted, human hyena, in his malignity and wrath, tries to perform the detestable and pusillanimous act of imputing that, to use his own words 'filthy, filthy,' act to this person, knowing at the time he penned those lines he was penning a premeditated falsehood of the first water. \* \* \* And right here I abnegate and denounce his entire statement from Alpha to Omega as a dirty compilation and conglomeration of falsehoods, and as emanating from a 'Thing' that should be segregated or ostracized that respectable persons might not be subjected to his contaminating influences. That hodiernal Ananias 'butts' in; he gets his 'butters' knocked off in his feeble and unrighteous wrath and he resorts to dirty untruths and innuendos, thinking he could get his revenge by hurting my character and reputation. But such an ignominious reprobate as 'That Thing' could not



hurt or make a perceptible dent in the reputation of a mongrel 'cur pup.'

And about two and a half columns, or equal to a full page of the MANUFACTURERS RECORD, of the same style. Evidently things were warm in that section of good old Virginia when this kind of stuff filled more than two columns of the Kilmarnock Record—and we believe it has been running from week to week as these two people denounce each other—while in all of that paper we have been unable to find a word about the conditions of business, about the crops, about real or possible prosperity, or about things which make for the betterment of a community. What an infinite pity that space is thus given to such a degrading controversy which is helpful to no one and certainly can not be helpful to the material, moral and spiritual advance of the community! What a blessing it would be if personalities of this kind and everything else of a sensational nature were eliminated from every paper in the South and all the energy of every paper be devoted to telling the story of the things that make for the moral and material upbuilding of the community!

We rejoice that such articles are not found in many of our exchanges. We regret that in this particular case—a section which has so much that is good, so much of prosperity and of possibilities, so many splendid people, so many attractions and advantages—any newspaper should permit its columns to be stained with personal vilifications of this kind.

#### A NEW FLORIDA DAILY.

THE sale of the Tampa Tribune for \$1,200,000 by Col. W. F. Stovall, who created that magnificent property and made the Tribune one of the outstanding papers of the country, has resulted in the organization of a new company who will establish another daily paper in Tampa.

After Colonel Stovall had given an option of \$1,200,000 there was naturally a reaction in his own mind and he hated to part with the child which he had fathered, and he offered to those who held the option \$200,000 to release him from the bargain, but they declined in view of the great value of the property and the magnificent, financial success of the Tribune.

Colonel Stovall's son, S. Lloyd Frisbie and a number of other men for years identified with the Tribune, believing that there is an abundant field for another daily paper in Tampa, have organized a company, secured a building, purchased a fine equipment, including fifteen of the latest model linotype machines, a battery of monotype machines, a press capable of printing 36,000 papers an hour and all other equipment needed for a great daily newspaper. They propose beginning publication of the new paper, which will be known as the Tampa Telegraph, some time before October 1.

The development of Florida, so amazing as to be almost beyond comprehension, and the rapid growth of Tampa and the entire West Coast, would seem to offer an abundant opportunity for another morning paper in Tampa. For many years we have held, and often stated in these columns, that the Florida papers, measured in early days by the population and the volume of business, were the most remarkable newspapers in America. To them must be attributed much of the prosperity which that state now enjoys. They have been constructive, upbuilding forces; they have covered the news of the world even to a much greater extent than the papers in Eastern and Western cities of five to ten times the population of Tampa, Miami and Jacksonville.

Success to the new venture as an additional power in furthering the upbuilding of Florida!

The Norfolk Virginian-Pilot reports the recent sale of about 500,000 tons of coal to be shipped from Norfolk and Newport News to France.

#### SHALL 3,500,000 MEN RULE 110,000,000?

“CONTRACTS by which an employer agrees to employ only union labor are contrary to public policy when they take in an entire industry of any considerable proportions in a community so that they operate generally in that community to prevent or seriously deter craftsmen from working at their craft or workmen from obtaining employment under favorable conditions without joining a union”—such is a decision of the Court of Appeals of Cuyahoga county, Ohio, in declaring illegal and void a closed-shop contract between the Cleveland Railway Company and the street-car men's union.

In this decision and similar decrees by other courts should be rung the knell of the closed shop in all industries in every community in the country. Its sound sense cannot well be questioned; its technical and legal aspect doubtless will be sustained if further appealed.

Such decisions should end the closed-shop—but will they? They will not, as long as industrial employers and politicians in public office continue to toady to organized labor or to endure its duress and dictation. From the Congress of the United States down through every public channel, and in very many private lines, the free and independent people are terrorized and enslaved by organized labor, through the ignorance and cowardice of legislators and employers.

The dues-paying membership of the American Federation of Labor in 1924 was 2,900,000, according to the World Almanac, to which, it said, might be added 500,000 members of the railroad “Big Four” brotherhoods and 100,000 in other union organizations, making an aggregate of 3,500,000. To the dictates—to the often conscienceless dictates—of this minority the other 106,500,000 people of the nation are largely subject through the selfishness, cowardice and ignorance of those dealing, directly or indirectly, with organized labor and its leaders and its demagogues. To any person to whom this assertion may seem too strong perusal of the Clayton Act amendments to the Sherman Anti-Trust law is commended—in that organized labor is specifically exempted from the law, and also, as a sugar-coating to this pill, farmers' organizations.

But, by tremendous propaganda, aided by a widely subservient press, and by continuous and vociferous shouting, organized labor has convinced selfish and coward politicians that it is an all-powerful majority of the national citizenship and must be obeyed. By its ruthless reprisals on private employers who have ventured to rebel against its oppression it has broken some and cowed others. Members of the national and state legislatures yield before its threats to keep them out of their jobs, and yield supinely even in many instances in which scrutiny of the vote would disclose the fact that organized labor and its friends were in a hopeless minority. Contractors, held up in their work by threats, almost invariably surrender; in cases in which they “pass the buck” to the property owner, the latter yields to the union demands.

And so it was that organized labor was the greatest “profiteer” in the war and now remains the unconscionable “profiteer” in peace. In a great war crisis it threatened to tie up the transportation systems of the land—in other words, to surrender the United States and the rest of the world to Germany. In the post-war readjustments organized labor has demanded more and more pay, and usually has got it. Finally, organized labor is found more or less in touch with Red movements now at work to destroy the Government of the United States by violence and bloodshed.

Signs of reaction are discerned in many places, and a revolt against the domination of 106,500,000 presumably free citizens by 3,500,000 seems to be developing. The time may come when one union-labor man will be not allowed to rule 30 free and independent citizens. In many cities and states



defensive measures have been instituted and practiced which have shorn union labor of its assumed power and liberated the communities and all their industries and peoples from organized labor bondage. In the decision quoted the courts seem ready to do their share toward relieving the people from this oppression. Final relief lies largely in the hands of the so-called "statesmen" and politicians and employing elements. Will they measure up to their duty, their responsibility and their opportunity?

### VIEWS OF AN ARMY OFFICER AND OTHERS AS TO HOW TO DESTROY THE BOOTLEG INDUSTRY.

**B**RIGADIER GENERAL LEROY S. UPTON of Fort Howard, Maryland, in acknowledging receipt of a copy of the MANUFACTURERS RECORD containing a recent editorial entitled "How to Destroy the Bootleg Industry," writes:

"Your editorial on how to destroy the bootleg business is excellent, especially the closing paragraph. The great majority of people in the United States have willed this nation dry, and when a great majority of the people of the United States will a thing it generally comes to pass. The nation has decreased its consumption of alcohol to an enormous degree. The great mass of people are dry; the noisy minority is wet. The benefits of prohibition become more apparent every day, and the opposition decreases every day. Education as to facts will be the most potent factor in the gradual elimination of the bootlegger. One outstanding characteristic of the people of the United States is common sense, and when the noisy minority, with their thoughts on their belly, wake up to the facts, the noise will gradually disappear. It may interest you to know that the training camps here at Camp Meade are dry. Payday is like any other day. Come out and see for yourself."

The editorial which called forth the letter from Brigadier General Upton brought other commendations. One is a letter from L. M. Bowers of Binghamton, N. Y., in which he said:

"This is simply to add the writer's approval to the suggestion in your reprint on 'How to Destroy the Bootleg Industry' and is therefore of no importance at this time, except to show the writer's good-will."

"The views of those who do not endorse your suggestion are valuable, for it gives you an opportunity to criticize their criticism. On page 3, in the last line of your reply to the 'Telegram' of Clarksburg, you put the case exactly right when you say—as you and all of us have to say in the enforcement of all criminal laws—'while this suggested law might not work in every case, it could inevitably be made to work in many cases.'"

"If we had a law that would enable courts to demand a refund of every dollar made by bootlegging or in violation of the prohibition law, or as proxies or partners of backers, by imprisonment for 5 or 10 or 20 years if they refused to uncover the entire business, it would not be long before these rascals would beg to be let out, their backers forced to pay or go to jail. To quit this fight for law and order would be a disgraceful, damnable violation of loyalty to the Constitution and an insult to every decent American citizen of the United States."

"You are to be congratulated for your splendid loyalty and sound common sense in this fight for freedom from the shackles that the liquor gang have attempted to bind around the necks of all who have the pluck to oppose them, politically, socially and, too often, religiously."

Prof. Louis Jerome Johnson, professor of civil engineering, Harvard University, in a letter referring to the same editorial, writes as follows:

"Regarding your inquiry of some weeks ago with regard to my views on fining the bootlegger to the full extent of his profits, I did not reply at once, for I was somewhat at a loss about what to say. I hesitated, as many another may have done, about the practicability of administering such a law. Needless to say, I should have no other objection to it, and I am not at all sure that that objection is sound. I think it is worth while to persevere with the development of your idea."

"I agree with you cordially that the patron of the bootlegger is equally guilty with the bootlegger, and have not yet been able to get any satisfactory explanation why he is not so regarded in law, even without the need of new or special

legislation. I do not see why he is not as much *particeps criminis* as the receiver of stolen goods. If new legislation is necessary to make him so in law as well as in fact, I think that kind of legislation should be passed."

"I wish to add that I find myself in particularly close agreement with Professor Perkins of the University of Tennessee, especially in his first paragraph, and with Professor Ross of the University of Wisconsin as their views are given in your issue of July 2."

### A MOTION-PICTURE FILM APPARENTLY BORN IN HATRED OF THE SOUTH.

**T**HE motion-picture business is often used for propaganda, sometimes of the very worst kind. Judging by a letter written by Lou Wylie of New Orleans, addressed to the New Orleans Association of Commerce, and to the Association of Commerce, Nashville, Tenn., a recent film which ran for a week at New Orleans is an outrageous piece of propaganda against the South. By whom it is put out, or what is the reason for it, we do not know, but we do know that there are many enemies of the South still rampant in their hostility to this section. This letter of Mr. Wylie's is the first reference to the picture "King Cotton" which we have seen. His letter is as follows:

"Association of Commerce,

"Nashville, Tenn.

"Copy to New Orleans Association of Commerce.  
"Gentlemen:

"I would like very much to call your attention to the photoplay comedy 'King Cotton,' featuring Lloyd Hamilton, which ran here all last week at the Strand Theater."

"This would-be comedy depicts a cottonfield in Tennessee, where an emaciated little white boy is about to be lashed by a big, brutal overseer. It also shows negroes and white men being driven to work together in the cotton fields by an overseer with a cowhide whip in his hand, and also shows him about to beat a negro woman housekeeper."

"Not only failing in every possible instance to be funny, this comedy can do more if let loose in the North to undermine the tremendous amount of money that the South has been spending in endeavoring to educate the North to the real South than anything I know of. Everyone knows that real teaching, the lasting sort, is done by suggestion, and here is something that I am sure will do just as much harm. In its way, as 'Uncle Tom's Cabin' did in its day, and maybe vastly more, as this comedy will reach a great many more people, and the type of people who will be given to thinking a great deal less than people who read."

"In view of the recent child-labor agitation, I cannot help but believe this picture is propaganda with a view of furthering just such legislation, and I cannot understand how the Strand and other Southern show houses, owned and controlled by Southern men, would contract for such a picture."

"I did not see this picture until its last night here, and I am very much surprised that the hundreds of New Orleans people that flocked to the Strand during the past week failed to be aroused by the ignorant injustice of it."

"I do not know that anything could be done about it. At the same time, when one takes into consideration the tremendous amount of money the South is putting out for publicity at this time, it certainly shouldn't sit back with its hands folded and allow such a film to be passed around the nation."

### ALMOST UNBELIEVABLE ACTIVITY.

**W**. F. STOVALL, who recently sold the Tampa Tribune for \$1,200,000 cash, in a letter expressing his regret that he had gone out of the newspaper business, and stating, however, that he was busy in important real estate operations, among other things said:

"Last October two other gentlemen and myself bought 2800 acres near Tampa for \$650,000. We have just sold it for a little less than \$4,000,000. Deals like this are occurring almost daily and property is yet undervalued. Florida is unquestionably enjoying the greatest era of prosperity ever experienced by any state or any section in the nation."

### THE TRANSFORMATION OF HERRIN, ILL.

**U**NDER big headlines, "1000 Bad Men in Herrin Tamed by Evangelist—Ex-Editor Revivalist Cleans Up Gunmen, Feudists, Bootleggers and Gamblers and Renders Town Calm," Wilbur Forrest, staff correspondent of the New York Tribune, tells an amazing story of what has happened in the town of Herrin, long noted as "Bloody Herrin" of Illinois for its battles between opposing factions.

"Bloody Herrin," says the Tribune's staff correspondent, "is as calm and peaceful as any city of its size in Illinois. The Rev. Mr. Williams, who departed for Chicago for a period of rest, took with him the thanks of the leading citizens of the town, who credit his rough-and-ready theology with doing the hitherto impossible in bringing men, who a short time ago were carrying guns and threatening to take life, into friendly handshakes, with a bond of Christianity between them."

"Old-time religion wins," says the Tribune correspondent. "Mr. Williams," he adds, "is a lay evangelist, who preaches the old-time religion. His converts include Protestants and Catholics, and among his most hearty supporters have been the Jewish men of the town."

Nearly three years ago Howard Williams, then the editor of a Mississippi paper, a man who had no thought for religion, was converted. He wrote such an astonishing editorial as to the new life and new light which had come to him, casting aside all of his evil associates of the past, that the editor of the MANUFACTURERS RECORD sent him a letter of hearty congratulation upon that editorial. In the course of the correspondence Mr. Williams wrote that he was going to sell his newspaper and devote the rest of his life to preaching the Gospel.

The story of the staff correspondent of the Tribune is intensely interesting, not only from the religious viewpoint pure and simple but because of the influence of this religious life in taming the wild men of Herrin and bringing peace and calm to the community where red murder had run riot for some years.

### SOME STRIKING FACTS FROM THE NEW YORK TIMES.

**U**NDER the heading of "Prohibition and Narcotics" the New York Times publishes a remarkable editorial which should be carefully studied by all who are interested in the prohibition question as well as in that of the narcotic drug habit. In this statement the Times says:

"There seems to be unanimity of opinion among the competent that, whatever prohibition has done in diminishing the use of alcohol, it has had no effect whatsoever on the use of narcotics in the United States. At any rate, it has not increased drug addiction. The Foreign Policy Association, through one of its secretaries, has made the statement, based upon official Federal reports, that the 'drug habit has probably decreased since prohibition.' That deprivation of alcohol has not driven its former users to 'dope' may be stated as a general conclusion.

"Dr. Alexander Lambert's statistics concerning the effect of prohibition as reflected in the Bellevue Hospital are of special interest and significance. Before prohibition there were, he says, 15,000 alcoholics a year in that institution. Last year there were but a few more than one-third of that number. And while formerly 2 or 3 per cent were drug addicts, last year the percentage was no greater. Others with like opportunity for observation in other institutions and communities have given similar testimony.

"It is not to be inferred from these statistics and observations that there is not need of the most vigorous and vigilant effort in stamping out the insidious habit which, if not halted, ultimately wrecks the 'addict.' If there is a diminution of the peril, even though slight, it should encourage the zeal of those who are fighting the use of narcotics. But statistics do relieve prohibition of the charge of being even unconsciously an ally of opium. It is probable, however, that if

those appointed to enforce prohibition had been from the start taken from civil service lists, as the officers for the enforcement of the Narcotics Act have been, prohibition would have had a better record of its own to show."

In a letter to the Times in discussing the prohibition question, with special reference to the Orient, Roland E. Hammond of Brooklyn writes as follows:

"To a student of current events it becomes more evident that there are reasons, other than that of local patriotic duty, why Americans should cherish and obey the laws of prohibition as related to intoxicating liquors.

"Native leaders in Far Eastern countries are rapidly becoming conscious of some virtues which are attached to their native religions. Hundreds of newspapers are published by the Hindus and by the Mohammedans in the Eastern lands. Every one of these Hindu newspapers is working to further the cause of prohibition in India. There is not a 'wet' Hindu newspaper on the face of the earth. There is not a 'wet' Mohammedan newspaper on the earth. Therefore, it seems that when Americans assail prohibition they are unconsciously assailing the moral and economic position which our country has secured in the 'dry' countries of the Far East.

"As admitted by President Wilson, our moral position, and incidentally our commercial advantages, in these Far Eastern countries have been made possible, to a large extent, by the untiring efforts of Christian missionaries of the past and present. Shall we break faith with those pioneer missionaries of all denominations, who went forth, often in face of death, to proclaim that sobriety and temperance are not only Hindu and Mohammedan virtues but are also truly Christian virtues?"

### URGING TENNESSEE MANUFACTURERS TO EXHIBIT AT NEXT YEAR'S SOUTHERN EXPOSITION.

**A**T the time of the Southern Exposition in May, President J. E. Edgerton of the Tennessee Manufacturers Association, Nashville, was greatly distressed that his own state was wholly without representation except for the exhibit of the Tennessee Power Co. Realizing the importance of Tennessee being represented at the next Exposition in September, 1926, Mr. Edgerton is sending a letter to the members of the Tennessee Manufacturers Association pressing upon them the importance of taking an immediate stand in favor of organizing plans for representation of the state. What Mr. Edgerton says in regard to the matter applies not only to Tennessee, but to every state in the South. In his letter he said:

"For two weeks in May of this year there was held in the Grand Central Palace, New York city, an Exposition promoted by a group of patriotic, forward-looking Southern manufacturers, and intended to be an advertising display of Southern progress and advantages, and especially of resources and manufactured products. I saw it, and was deeply impressed by two things: First, by the humiliating absence of anything like a decent representation of Tennessee products; and, second, by the splendid showing of Georgia, North Carolina, South Carolina, Alabama and Virginia. Except for the excellent display of the Tennessee Power & Light Co. and two or three other progressive Tennessee concerns, our state would not have been represented at all. Yet there is no good reason on earth why on such occasions as this Tennessee should not be in the very forefront.

"Now, it is proposed to have another Southern Exposition at the same place in September, 1926, and it is earnestly hoped that Tennessee will take its proper place and help to impress the country with the marvelous industrial development of the South. But if it is to be a success, the Tennessee manufacturers will have to wake up and do their duty, and the start will have to be made now. Each Southern state will be responsible for its own exhibit.

"Tennessee manufacturers have been allotted 6000 square feet of space, at \$3 per square foot, making a total of \$18,000. We are asked to obligate our state for this amount and to pay one-fourth of it in September of this year. Expositions of this size must be arranged for long in advance. Of course, the Tennessee Manufacturers Association can't assume such an obligation unless the manufacturers of the state back it by individually buying space for their individual exhibits.

"We are, therefore, bringing it to your attention and thus



giving you the opportunity of not only helping to put your state in the right position but of getting more than value received in an advantageous advertisement of your product at the above reasonable rate. We must act quickly, for we are urged to give immediate reply to the question, 'What will Tennessee do?' So please write us immediately indicating whether or not you will take space, and how much."

#### FELLOWSHIP FOR RESEARCH WORK AT FLORIDA UNIVERSITY.

SOME months ago L. M. Drake of the Drake Laboratories, Daytona, Fla., told the writer that he was making a strong effort to secure fellowships for research work at the University of Florida. He hoped to be able to induce some of the great leaders of that state to invest in young men as well as in real estate.

Prof. Townes R. Leigh, dean of the College of Pharmacy and head of the Department of Chemistry at the University of Florida, now writes us that a man in a company which has been investing \$20,000,000 in Florida has endowed a research fellowship which will go on indefinitely.

Mr. Drake, who has brought this investment in men about, is working to secure others—doing it out of love for the state, love for humanity and a full appreciation of what such research work will mean.

In a statement sent us by Dr. Leigh the following information is given:

"Of vast importance to the state of Florida is the recent creation of the Citrus Juice Fellowship. A very public-spirited man, who has the future of Florida much at heart, has given an annuity of \$1500 for research on the citrus juice preservation. As it is well known, no method has yet been found whereby the juices of the citrus fruits may be preserved for any length of time, at the same time keeping the natural flavors and qualities. If a method can be found, it will be of inestimable value, especially with the orange. Florida, a great orange-growing state, and whose fruit is not surpassed in the world, would become the home of orange juice as a national drink. It is universally accepted that freshly expressed orange juice surpasses any other as a delightful and healthful drink.

"The solution of the problem would lead to enormous nation-wide demand, and strengthen and increase orange culture in Florida, adding greatly to its wealth and to the independence of the grower.

"The Fellowship Committee, of which L. M. Drake of the Drake Laboratories of Daytona is chairman, has appointed M. B. Matlock as citrus fellow. Mr. Matlock is a graduate of Florida University and of Georgetown University, and has had two years' research work at the Bureau of Standards in chemistry, and has done five years of work with citrus fruits. He is at present on the chemistry staff of Georgia Tech.

"The research work will be done at the University of Florida, at Gainesville, under the direction of Dr. Townes R. Leigh, dean of chemistry, the state furnishing laboratory equipment and supplies. The donor of this fellowship wishes his name withheld, but it is to such men that the world owes much."

#### AS VIEWED BY ONE OF AMERICA'S GREATEST STEEL MEN.

VICE-PRESIDENT WILLIS L. KING of the Jones & Laughlin Steel Corporation, in referring to the Blue Book of Southern Progress issued by the MANUFACTURERS RECORD, writes:

"The great improvement of the Southern states in finance, industry and agriculture, particularly in recent years, has been a matter of surprise and gratification to me. I feel that I can learn much from the 'Blue Book' you have sent me, and will certainly read it in great part. In closing I cannot help but congratulate you for your sturdy and constant effort for many years to better the conditions in the South. In this I think you can be well satisfied."

#### THE PEOPLE SHOULD BE INSTRUCTED.

NO more encouraging note has been struck in these paradoxical days of mobocracy and centralization of government than that sounded by the Massachusetts Public Interest League in its great movement "first, to defend the Constitution of the United States and to oppose bureaucratic and socialistic legislation, and, second, to aid in furthering causes which are of importance to public welfare." The basic note of this organization is education—the practical instruction of women and, incidentally, of men on the vital fundamentals and the good or evil principles of proposed national policies and legislation.

"We are witnessing in the United States today," this League says, "a sharp conflict between two opposite theories of government: On the one hand is the American ideal of local self-government, which insists upon every reasonable opportunity for individual liberty and upon the preservation of the family as a social unit; on the other hand is the pre-war German and the present Russian plan of a strongly centralized government, controlling and directing the individual's activities, his domestic relations and the solution of purely local issues according to a nation-wide standard established and enforced by a central bureau."

So, yielding to this centralization sentiment, the League adds, "leaders of all political parties have endorsed some or all of the proposals" for Government control of mines, railroads, prices, maternity, education and citizens up to the age of 18 years. "No true American citizen," it comments, "can contemplate without dismay the substitution of a Socialist bureaucracy in place of our great republic, but the change is taking place before our eyes; nothing can stop it but an awakening of the people to its dangers."

"Women in general are easily influenced to support Federal bureaucratic measures if the appeal comes to them in a humanitarian guise," adds the League. It might go farther and add men, too, to the victims submerged in the floods of emotional slush. Most recent of these waves of emotion is that on which the Reds and the ignorant well-meaning people of the land still hope to see the Child Labor Amendment engulf the nation, and the Youth Movement is another of such destructive waves.

"We need to deflate our patriotism and settle down to systematic, practical work in Congress and state legislatures. Let us be vigilant. Let us keep posted (the daily press doesn't help the public in this, and great drives, like the Child Labor Amendment campaign, for some reason enlist the almost solid support of periodicals)," says the League. This parenthetical comment is extremely timely. It brings out the lamentable fact that many newspapers, like all demagogues and most politicians, adopt the policy of giving the people what they think the people want, instead of endeavoring to show them what really is the best thing for them. Observation indicates that the average member of Congress will vote as he thinks his constituents desire, even though he knows their views to be absolutely wrong, rather than go into his district and show his people where they are mistaken, and this appears to be the attitude of a large part of the daily press.

In its campaign of education, rather than of passive acquiescence to proposed evils, the Massachusetts Public Interests League can do—indeed, is doing—a patriotic work of great value. Mrs. B. L. Robinson is president of the organization, and the list of the executive committee and other officers shows the names of many women of the same character and standing. Such work as theirs must inevitably bring forth fruit of tremendous benefit to the nation and the people.



# A Lay Sermon

## Suggested by the Fight Against Opening the Dayton Court With Prayer.

*The insistent demands of Darrow, who for years has often defended some of the vilest criminals of the country, that the court at Dayton should not be opened with prayer is only suggestive of the kind of men and the spirit which dominates them in the whole scheme of trying to make the Dayton trial a definite fight against Christianity, for it must be apparent to all that Darrow's objection is not simply to "argumentative prayer" but to prayer itself, for which he apparently shows scorn and contempt.*

*Perhaps, therefore, a business paper like the MANUFACTURERS RECORD may be forgiven for the following lay sermon and for telling two facts in life which illustrate the power of Christianity in contrast with that spirit which would break down Christianity.*

By RICHARD H. EDMONDS.

Through the centuries the great statesmen of the world and the great leaders in world affairs have been men of profound religious convictions. Today the foremost business men of America follow in the same path. Before the throne of Grace they have bowed in reverence, seeking Divine guidance in the affairs of life. Call the roll of the greatest business leaders in this country, the men who are the creative upbuilders, and one will find that a large majority of them are active workers under the banner of the Cross. Unlike Darrow, they freely and openly seek Divine guidance. Men like Judge Gary, President Edgerton of the National Association of Manufacturers and tens of thousands of others of equal standing are humble followers of Him who spake as never man spake. They glory in the privilege of confessing Him before the world.

Jews and Gentiles alike hold in deepest reverence the name of the Almighty and seek His guiding hand, but Darrow would spurn the power of God, would deny the right of the Court to have some minister of the Gospel ask that Divine wisdom should guide those who are taking part in the Dayton trial. The whole trial itself is a travesty, purely a publicity-seeking scheme of publicity seekers, always aiming to be in the spotlight, and many of them the definite enemies of God. It matters not under what guise they may sail in the contest in which they are engaging. They would break down that dependence upon God for His help in every time of trouble which has been the solace of the millions and hundreds of millions who have realized in their own lives that one, great, supreme, overmastering fact of a new birth proclaimed by Christ Himself, "Ye must be born again."

Perhaps the writer will be pardoned for the story of two deathbed scenes which have heretofore been considered too sacred to him to have them told outside a little family circle.

Some years ago a sister-in-law, a beautiful woman—beautiful in person and in character, full of vitality and the love of life, radiant in the joy of the prospect of motherhood—in this spirit went down into that mysterious land of motherhood, and suddenly all consciousness ceased. In desperate alarm the doctor and the family gathered around the bedside. Within an hour or two she opened her eyes in consciousness and turning to her husband, who was sitting by her bedside, said, "Will, am I dying?" As best he could he told her, "Yes." Instantly, without a moment's hesitation, and to the amazement of those who stood by her bed, she began to sing in a low but distinct voice:

"There is a fountain filled with blood,  
Drawn from Immanuel's veins;  
And sinners, plunged beneath that flood,  
Lose all their guilty stains.

"The dying thief rejoiced to see  
That fountain in his day;  
And there may I, though vile as he,  
Wash all my sins away."

At that point a friend came in and joined with her and carried the hymn to the last line:

"Dear, dying Lamb! Thy precious blood  
Shall never lose its power  
Till all the ransomed church of God  
Be saved to sin no more.

"E'er since, by faith, I saw the stream  
Thy flowing wounds supply,  
Redeeming love has been my theme,  
And shall be till I die.

"Then in a nobler, sweeter song  
I'll sing Thy power to save,  
When this poor lisping, stammering tongue  
Lies silent in the grave."

Every member of the family was too awestruck to do more than listen. Finishing the hymn, she called the loved ones to her bedside one by one, gave them a word of cheer, and to the writer said, "We will meet in Heaven," and the spirit winged its flight back to God who gave it birth. That was one death-bed scene which was never effaced from the hearts of those who witnessed the marvel and the mystery.

Many years after, a mother, a saintly soul, who through a long life had served the Redeemer—to whom in early years she had given herself—lay dying. For 12 hours or more in the closing period she lay in a comatose condition. The doctor said that she was wholly unconscious, wholly free from pain, and, except for the fact that the heart still beat faintly, life had ended. The writer was sitting by the bedside, and every son who has ever passed through such an ordeal can appreciate its meaning. He was watching intently the face that had ceased to show life or animation. Suddenly there swept across that apparently lifeless face a heavenly smile, the lips parted and there was an ejaculation, "Oh," often used to express happiness and surprise. Startled by this change, the thought for a second flashed in his mind that she had been brought back to life, but with that exclamation of "Oh" her soul left the body and entered into the Great Beyond.

"Is there any explanation in medical science for that sudden change and that heavenly smile that passed over the face?" was asked of the doctor. "No," said he, "medical science can give no answer. The only answer is that in the moment that body and soul were separated some sight of a loved one who had gone on before was beckoning to the departing soul."

Too sacred and holy through all the years that have passed for these two death-bed scenes to have been mentioned outside the family circle and to a few intimate friends, they are mentioned now in the hope that perhaps in this day of discussion, agitation and world turmoil this story may afford a glimpse of the difference between the death-bed scenes of two such saints, one in the full enjoyment of youth and the other who had passed fourscore years, as compared with those who die with no certainty as to their future.

Contrast such death-bed scenes—and doubtless many of

our readers have known something of the same kind—with the thought that must fill the souls of those who look upon the future with dark forebodings, wondering what is to be their life beyond this world. They know they are in existence, they know no way of getting out of existence, and they feel that they must, perhaps, spend eternity somewhere, and they are wondering where it will be spent.

In the last nineteen hundred years tens and hundreds of millions of men and women of high and low degree of life, educated and uneducated, rich and poor, people of all nationalities in this and other countries, have gone through life and passed into the other world with an absolute abiding faith in the reality of that religion which filled their souls with joy. They entered the other world without one single fear. "I know that my Redeemer liveth" has been the cry of these millions and hundreds of millions, and in that faith, which nothing could shake, they passed on and "crossed the river" in confident realization that they had fought the good fight and that there was laid up for them a crown of rejoicing.

Blot out, as Darrow and men of his spirit would do, this Christianity, and the world would sink back into the darkness and blackness of barbarism.

Blot out the churches of the living God in this country, and no property in it would be worth 10 cents on the dollar.

Blot out books on the story of the Cross and what it has meant in human affairs from the libraries of the world, and a large proportion of their shelves would be empty.

Blot out the greatest paintings ever limned by human hands, inspired by the Cross and all that it represents, and the art galleries of the world would be robbed of their sublimest treasures.

Around the Cross and all that it represents, the world's greatest artists, its greatest sculptors and its greatest writers, its greatest statesmen and its greatest business leaders have done their work.

Through the nineteen centuries men and women—enlisted under the banner of the Cross in the effort to carry forward the work of the Christian religion, which bade them "Go ye into all the world and preach the Gospel" with a promise that He would be with them—have carried their work into the dark places of the world. Livingston gave his life in the wilds of Africa, Judson suffered untold tortures to carry the Gospel to the people of Burma, where today there are hundreds of thousands of consecrated Christians; the missionaries to China, to the Isles of the Sea, and to other distant and other barbarous lands have gladly risked life for the privilege of telling what they in their own lives have experienced. Thousands of martyrs have gone to the stake or the dungeon, or to death in some other form, glorying in the privilege of testifying by their lives of that new birth which had come to them through the redeeming power of the blood shed upon the Cross. In heart, if not in word, they have said, as He who hung upon the Cross said, "Father, forgive them, for they know not what they do."

These are some of the things that testify beyond all possible contravention to the reality of the religion which these people have professed. They know from their own personal experience that there is a God, and they call upon Him in every hour of need. They know from personal experience that there is nothing else in life that brings to them the consolation and the joy of faith in that God, who "so loved the world that He gave His only begotten Son that whosoever believeth on Him should not perish but have everlasting life."

That man or woman who has passed through this experience, in thinking of Darrow and others who like him would seek to break down the faith of millions of people in the guiding hand of Almighty God and in the power of salvation through the death of Christ upon the Cross, should not permit

anger to enter his or her heart against them, but infinite pity for the men who are walking in the darkness, who have no light to guide their feet, no certainty as to what will be the life beyond, and who cannot help but wonder in the dark hours of the night or when in sickness and pain, "What is to be my future?" Some of them, perhaps, try to convince themselves that physical death means to them annihilation! They far prefer the thought of that to the fear of the possibility of living forever in a state which could only be described by Christ Himself as one of endless suffering. Whether that be mental or physical it matters not, for an existence without the power to get out of existence, and with no power then to control one's eternal destiny, must be beyond words to express. Those who have no abiding faith in the eternal verities of the Bible and who have not passed from death unto life are indeed of all men most miserable.

Nothing which the writer could add to this would be so impressive as an extract from a great sermon by the late Rev. Robert Stuart MacArthur, entitled "What Think Ye of Christ?" In that sermon Mr. MacArthur summoned many of the great men of ages past to bear testimony to their belief in the deity of Christ. In summoning many of the leaders of the world, as though he had called them to testify before a jury, Dr. MacArthur said:

"Dr. Geikie, in his life of Christ, calls attention to the fact that the Jews confess great admiration for the character and words of Jesus; that the Mohammedan world gives Him the high title of Messiah; that the myriad-minded Shakespeare paid Him lowly reverence, and that men like Galileo, Kepler, Bacon, Newton and Milton set the name of Christ above every other name. He also reminds us that Jean Paul Richter, whom his countrymen call 'Der Einzige, the unique,' tells us that 'the life of Christ concerns Him who, being the holiest among the mighty, the mightiest among the holy, lifted with His pierced hands empires off their hinges, and turned the stream of centuries out of its channel, and still governs the ages.' Spinoza, the great philosopher, son of Portuguese Jews, disciple of Abenezra and Descartes, calls Christ the symbol of divine wisdom. Schelling and Hegel speak of Him as the union of the divine and human. The immortal Goethe, the acknowledged prince of German poets, and one of the most superbly accomplished men of the Eighteenth Century, says: 'I esteem the Gospels to be thoroughly genuine, for there shines forth from them the reflected splendor of a sublimity, proceeding from the person of Jesus Christ, of so divine a kind as only the divine could ever have manifested upon earth.'

"Permit me to think of this church as a courtroom. I now summon additional witnesses to testify to the character of Jesus the Christ.

"What thinkest thou of the Christ, O Jean Jacques Rousseau, with all the brilliancy of thy intellect, the singularity of thy character and the enthusiasm of thy writings? Give place to the witness Rousseau; hear his testimony. Rousseau speaks: 'How petty are the books of the philosophers compared with the Gospels! Can it be that writings at once so sublime and so simple are the work of men? Can He whose life they tell be Himself no more than a mere man? \* \* \* Yes, if the death of Socrates be that of a sage the life and death of Jesus are those of a God.'

"What thinkest thou of the Christ, burly, brusque, brave and heroic Thomas Carlyle, with all thy marvelous reading, thy profound thinking and thy contempt of cant and love of truth?

"Carlyle steps forward and speaks: 'Jesus of Nazareth, our divinest symbol! Higher has the human thought not yet reached.'

"Let us summon Dr. Channing, the cultured and eloquent



preacher and writer, the foremost man among American Unitarians in his day.

"What thinkest thou, O Channing, of Jesus Christ?"

"He makes reply: 'The character of Jesus Christ is wholly inexplicable on human principles.'

"What thinkest thou, O Herder, illustrious German thinker, broad scholar and exquisite genius, of Jesus the Christ?"

"Superb is his reply: 'Jesus Christ is in the noblest and most perfect sense the realized ideal of humanity.'

"What thinkest thou of the Christ, O Napoleon, mighty son of Mars, striding through the world like a Colossus darkening the brightness of noonday with the smoke, and lighting the darkness of midnight with the fires of battle?"

"Hear this man of gigantic intellect, whatever may be said of his ambitious motives: 'I think I understand somewhat of human nature, and I tell you all these (the heroes of antiquity) were men, and I am a man, but not one is like Him; Jesus Christ was more than man, Alexander, Caesar, Charlemagne and myself founded great empires; but upon what did the creations of our genius depend? Upon force, Jesus alone founded His empire upon love, and to this very day millions would die for Him.'

"Compared with such witnesses as these, the opponents of Jesus Christ of today are pigmies so contemptible in mentality and so questionable in morality as to be ruled out of every court of testimony where intellectual ability and moral worth have weight.

"A true conception of Christ's ideal humanity leads us to the assertion of His real divinity. We shall not, however, at this point spend time in splitting theological hairs. We may be able to pass the examination of a church council on our knowledge of divine sovereignty and human freedom, or on any of the 'isms' of ancient or modern heterodoxy, and yet we may be spiritually dead. We may recite creeds by the yard, and yet be black in heart and vile in life. A dead orthodoxy may be worse than a live heterodoxy. Creeds may be as powerless over our lives as the multiplication table. We must know Jesus Christ as the vicarious sacrifice for sin, and as our personal Lord and Saviour. The atonement is the part of theology. The Cross is the center of the universe. It is the pivot around which all the great events of history revolve. The historian and the philosopher, as truly as the theologian, must build their studios on Calvary.

"I summon thee, O execrable Judas. Behold him flinging down the thirty pieces of silver before the chief priests and elders. Hear him speak in his agony of soul: 'I have sinned in that I have betrayed the innocent blood.'

"I summon thee, O Pontius Pilate, with thy immortality of shame in the creeds of the ages.

"The Roman Procurator washes his hands. Strange sight! He speaks: 'I am innocent of the blood of this just person.' He speaks again: 'I find no fault in this man.'

"I summon John, the heroic Baptist. Hear his testimony: 'Behold the Lamb of God, who taketh away the sin of the world.'

"O loving and divine John, the Evangelist, what thinkest thou of the Christ?"

"The Evangelist John speaks: 'He is the Vine, the Way, the Truth, the Life, the Light and the Word, and the Word was God.'

"I summon thee, O matchless Paul. What is thy testimony? 'He is the image of the invisible God. \* \* \* the blessed and only Potentate, the King of kings, and Lord of lords.'

"I summon thee, apostle Peter, once confessor, then denier, but afterward penitent witness and heroic martyr.

"What is thy testimony? 'He is the Christ, the son of the living God.'

"I summon thee, O once doubting but always brave Thomas.

Hear the testimony of this witness as he falls at the Master's feet and exclaims, 'My Lord and my God,'

"I summon thee, O John Bunyan, immortal tinker; thy glorious pilgrim marching through the ages, telling the story of redeeming love, is thy testimony to the character of thy Lord.

"I summon thee, O Charles H. Spurgeon, and the testimony of all thy volumes, of thy glorious life and of thy peerless ministry is that 'Jesus Christ is the chiefest among ten thousand and the one altogether lovely.' I summon thee, O De Wette, great Biblical critic of Germany.

"De Wette testifies: 'This only I know, that there is salvation in no other name than in the name of Jesus Christ, the crucified.'

"I might summon thousands who from the Grassmarket in Edinburgh and from many racks and stakes went up to glory and to God, and their testimony would be, 'None but Jesus, none but Jesus.'

"I summon thee, Toplady, sublime hymnist, and hear thee sing, 'Rock of ages, cleft for me.'

"I summon thee, Charles Wesley, and with thee sing myself, 'Thou, O Christ, art all I want.'

"I summon thee, O Joseph Parker, after thy immortal ministry in London, and hear thee say, as that ministry nears its triumphant close:

"I have companied with Him of Nazareth and Calvary, in all holiness and tenderest love, love passing the love of woman, ardent like an altar flame.'

"I summon thee, Joseph Ernest Renan, famous French writer, theologian and Orientalist, and I hear thee say: 'Whatever the surprises of the future, Jesus never will be surpassed. \* \* \* His sufferings will melt the noblest hearts; all ages will proclaim that among the sons of men there is none born greater than Jesus.'

"I summon thee, John Stuart Mill, logician and economist. This witness answers: 'Whatever else may be taken away from us by rational critics, Christ is still left—a unique figure. He stands in the very first rank of men the sublimest genius whom our species can boast.'

"I summon thee, David Friedrich Strauss, theological and Biblical critic.

"He speaks: 'Jesus remains the highest model of religion within the reach of our thought. No perfect piety is possible without His presence in the heart.'

"I summon thee, Thomas Jefferson, American statesman and President.

"He speaks: 'In the words of Jesus there is found the most sublime and benevolent code of morals which has ever been offered to man.'"

## Develop Lime-Rock Asphalt Lands in Alabama.

The Sheffield-Tuscumbia Chamber of Commerce, Sheffield, Ala., announces that John R. Scott and associates of St. Louis have acquired about 2000 acres of asphalt land in Colbert county near Margerum and will organize a company for the production of lime-rock asphalt. The new company will be capitalized at approximately \$1,000,000, it is said, and will locate its plant near Margerum. The plant will be connected with the Southern Railway by a standard-gauge track, and modern dwellings will be erected for workmen.

This is the second company recently announced to develop lime-rock asphalt lands in Colbert county, the first one being the Colbert Lime-Rock Asphalt Co., organized by Stansell, Blanks & Jones, who purchased property at Barton. This company now has a large contract for paving in Tuscumbia.



## SCIENCE VERSUS THEOLOGY.

### A Southern Educator's View.

By C. B. WILMER, Professor of Theology in the University of the South, in Boston Transcript.

The state of Tennessee has come in for a good deal of ridicule for its statute under which Mr. Scopes is being tried, and I have no disposition to defend it. But I do wish to present another view of the matter which I have not seen brought out in any of the comments in either the Boston or the New York papers.

There has been little effort to understand and there has been equally little appreciation expressed of a question that is of even greater importance, as some of us view it, than the relations of Church and State or the freedom of scientific investigation and teaching, and that is the conservation of spiritual values.

The method adopted is unquestionably a serious blunder, and if it should succeed in Tennessee and other states the consequences would be far-reaching and injurious to our national life. But the motive is good, and that is to protect religion and spiritual values.

Whatever the usefulness of science, it is admitted on all hands that it does not deal with, much less give us, spiritual values. Professor Tyndall in his day was explicit in his declaration that it was to the poet rather than to the scientist that we must look for "the interpretation of that Power which, as Jehovah, Jove or Lord, has hitherto filled and strengthened the human heart," and he advised caution in the use of the doctrine of evolution in schools.

Prof. L. T. More, in his recent lectures at Princeton on "The Dogma of Evolution," has sounded the note of warning that "If the doctrine of evolution has added confusion to our social questions, which are closely involved with material affairs, it must be even more dangerous as a guide to religion, whose cultivation and discipline are the furthest removed from our animal characteristics" (page 345).

No less a person than Huxley himself, as a member of a school board in England, advocated the use of the Bible in the English schools, saying:

"If I were compelled to choose for one of my own children between a school in which religious instruction is given and one without it, I should choose the former, even though the child might have to take a good deal of theology with it."

The introduction of religious instruction into the public schools of America is, of course, out of the question. But Professor Huxley regarded the efforts of the secularists in England to defeat that measure over there as comparable to "burning the ship in order to get rid of cockroaches." Finally, Professor Lane of the University of Kansas, a strict evolutionist, and utterly opposed to any such laws, has explained the present troubles as due not altogether to the backwardness and illiteracy of Tennessee, or any other state, but in great part to the unwise and illegitimate utterances of many scientists themselves. "This recrudescence," he writes ("Evolution and the Christian Faith"), "is due to several causes, the first of which is perhaps a general misunderstanding of the aim and scope of science. It cannot be denied that in some cases the scientists themselves are to blame for this situation, since they have not always been careful to make clear distinctions between their scientific facts and their philosophical deductions. \* \* \* The scientist can never, as a scientist, deal with *ultimate causation*; that subject belongs to philosophy and not to science. Yet because some scientists have turned philosophers and, more especially, because they have then sometimes advocated a materialistic philosophy, the non-scientific public has generally concluded that all science is materialistic in tendency. \* \* \* Especially has it been true that in the fields of psychology, sociology and pedagogy many brilliant but philosophically immature authors

have gone to wholly unwarranted extremes in their advocacy of the materialistic position in philosophy; have apparently taken delight in deriding the doctrines of the Christian religion, and have striven to impress the idea that all science supports their doctrines or theories, no matter how extreme they may be."

The effects of such teaching upon the impressionable minds of high-school or immature college students could not but have the most unfortunate results.

It is not surprising, therefore, that a respectable portion of the general public, especially of those who are alert to the maladies and dangers now threatening the body politic, should have become alarmed at the prospect; that in their ignorance of the true situation they should have so frequently mistaken the true source of the danger, is not to be wondered at. With the end which the sincere opponents of these doctrines are striving to attain most thoughtful scientists are in complete sympathy. They differ only in their views as to the correct means to be used in combating the unwarranted doctrines of the extremists on the other side.

I beg to commend that analysis of the situation as a form of constructive criticism which is likely to do the most good.

### Vermont Pats Tennessee on the Back.

[From the Burlington (Vt.) Free Press.]

Some people are disturbed by the thought that trials like that of Scopes tend to unsettle religion. These merely tend to confirm its hold on the present age. Evolutionists are hastening to assure the world they accept creation, merely supporting a certain theory as to the method God adopted.

Christianity has withstood the sarcasm, the brilliant reasoning of Voltaire, the stolid invective of "Tom" Paine, the scintillating wit and scathing ridicule of Robert G. Ingersoll, as well as the martyrdom of the fathers and the present death-dealing opposition of the Scribes and Pharisees.

Our age has seen the last of the "Bob" Ingersolls making a living by trying to laugh Christianity out of court. Even that skeptic was moved to declare by the bier of his dead brother, "Hope sees a star."

Truth is never harmed by discussion. It is rather strengthened. Bryan and Osborn and Darrow may seek to submerge the Scopes trial in personalities and side issues, but over and above and beyond all trivialities and unessentials will stand clearer and brighter the cause of Christian truth and justice. Individual weaknesses exalt by contrast the wisdom and love of a Heavenly Father. While creeds differ, all men appreciate service and the "beauty of holiness."

### Building 2,000,000-Gallon Tank at Charleston.

Charleston, S. C.—Said to be the largest known tank of its kind, foundations are being constructed at Stuart and Nassau streets in this city for a steel tank to hold 2,000,000 gallons of water 60 feet above street level. It will cost \$100,000. Foundations will contain 900 cubic yards of concrete, the central pier alone to have 160 cubic yards. The tank will be 120 feet high, cylindrical in shape at the top and elliptical at the bottom. James E. Gibson, superintendent of the city water-works, is supervising construction.

### Votes \$695,000 for Improvements.

Sebring, Fla.—Citizens of this city have voted to issue \$695,000 of bonds for municipal improvements, the election being carried by a vote of three to one. Funds from the sale of the bonds will be used for the following items: Sanitary sewers, \$45,000; storm sewer, \$20,000; paving, \$230,000; extension of light and water facilities, \$300,000; park and piers, \$75,000, and garbage disposal, \$25,000.

# "Upon the Welfare of the Farmer Depends the Success of the Banker."

*Address by Oliver J. Sands, president, American National Bank, Richmond; chairman of the executive committee, Tobacco Growers Co-operative Association, before the South Carolina Bankers Association at its annual convention, Greenville, S. C., June 26.*

[Rarely have we published an article of greater interest, or one more packed with truth that needs to be known, than the following address by Oliver J. Sands, president of the American National Bank of Richmond and chairman of the Executive Committee of the Tobacco Growers Co-operative Association, delivered before a South Carolina Bankers Association.

Mr. Sands as a banker was talking to fellow-bankers. He called them to a realization of their responsibility to the communities in which they existed, and especially to the agricultural interests, more forcibly than we have ever seen stated by any other banker. He presented very clearly and forcibly the work which the Tobacco Growers Co-operative Association had accomplished for the good of its members, and warned the bankers against the indifference with which they had regarded the rights of the farmers. It is a ringing challenge to the banking interests of this country to realize the responsibility which they have assumed as bankers.

In his address Mr. Sands did not mince words. He did not minimize the shortcoming of the bankers who have failed to appreciate their responsibility to assist in developing the farm interests of the country. The facts which he gave in regard to the amount of good that had been brought to the farmers who are members of the Tobacco Growers Co-operative Association should stimulate every banker in the country to do his utmost to bring about larger agricultural prosperity. Mr. Sands pointed to the need of the development of a banking or financial system which would do away with the miserable credit system, and added:

"That system will continue so long as the bankers encourage it and make no effort to improve upon it. No general prosperity can come with people paying 15 per cent to 80 per cent for productive credits."

Let it be borne in mind that the facts and figures given by Mr. Sands come from a banker of experience, and not from an outside critic of the banking business.--Editor Manufacturers Record.]

Three years ago I had the honor of talking to the members of this Association in a convention at Asheville; then, the co-operative marketing of tobacco was an idea, and we hoped that it would bring about some reforms and improvements in the situation that had become almost intolerable throughout the tobacco sections of our three states. In the beginning I want to announce my text as being this: "Upon the Welfare of the Farmer Depends the Success of the Banker."

Being a banker myself, I will be excused for abusing bankers a little. I was much impressed when a boy by hearing a man, who was at the head of very large business interests involving millions of dollars, say that in his experience of a long life in business he had found few bankers to whom he would want to entrust the management of any one of his properties. I hope that this indictment could not be made against a banker of today, and I do believe that education, modern business requirements and conventions, such as this, have had much to do with increasing the efficiency of the banker of this day. The banker who does not realize that the interest of the producer is the interest of the bank, and that the future welfare and development of his town, county or state is absolutely dependent upon the prosperity of the producer and the manufacturer, is indeed a narrow man, and, in my judgment, the sooner the stockholders of his bank remove him and find some one else with a broader outlook to take his place, the better it will be for our country.

I was astounded on receiving a letter from the field yesterday which stated that the bankers' attitude towards the co-operative marketing movement in that particular section was governed largely by the amount of balance carried by the association in the banks in that territory, and also by the manner in which the funds were disbursed through the individual banks. If this condition existed generally, I am sure that the statement of the business man made years ago could be probably applied to the banker of the present day. Upon the banker rests largely the responsibility for future development, growth and stability of our section. To my mind, the greatest evil from which we have suffered in the South has grown out of our miserable credit system, and that system will continue so long as the banks encourage it and make no effort to improve upon it. No general prosperity can come with people paying from 15 to 80 per cent for productive credits.

It would seem useless to emphasize before a body of South

Carolina bankers at this time the absolute necessity, of vital importance to them, for something to be done to improve the income and the financial methods of the great majority of the people in South Carolina. We recently have had examples enough of what the results are when the income of the producer is reduced. It makes no difference what the cause of this reduction may have been, the result is the same--disaster to the bank and suffering to the whole community and country.

There are few things more horrible in their consequences than a bank failure, yet we have become so accustomed to the closing of banks in our cotton and tobacco sections that the newspapers make little comment about it any more. Conditions are little better than they ever have been, and they will never be much better until the bankers and other leaders of this country come to the realization of the fact that the business of the producer and his welfare means the progress, prosperity, welfare and growth of the bank, and takes an active part in the development of the producer's business.

I must repeat, for I want to drive the fact home to everyone who hears or reads this address, that, unless the banker and merchant and all other non-producers take it seriously to heart, and realize the fact that the business of the producer is of more vital concern to the non-producer than to anyone else, we cannot hope to grow and prosper as we deserve. God has given us unusual opportunities, and we have made about as poor use of them as any civilized people in the world. The percentage of white and colored illiteracy, income per farmer, poor living conditions are all so much to our discredit that I dislike to advertise them to the world. A recent report by the University Extension Bureau of the State of North Carolina has shown this, and if you are sufficiently interested you can get much startling information along this line. Suffice it to say that the time has come for a reawakening of the people of our section; and I appeal to the bankers to take the leadership.

Would you have a cotton mill in your town to close down just because they did not carry an account in your bank? Would you encourage dishonesty and rebellion amongst the employees of that mill? You know that the successful operation of that mill on full time and at high wages means prosperity to your community, and that the prosperity enjoyed by your community is also participated in by you and your



institution. The successful operation of this mill may cause some friend of yours to pay a little more for his labor, or possibly prevent his individual success; at the same time, you realize that the prosperity and success of the thousands of employees of that mill are of much more vital concern than the success of one individual from whom you may have had a good bank account. Notwithstanding all this, it has been a great task to get the bankers of this territory to realize that the conditions of a great number of farmers are similar to that of the operators in a mill, while the prosperity of agriculture is of much more importance to you than that of all the mills in your state.

Farmers are scattered, disorganized, have always been poor, have always lived from hand to mouth; therefore they must, of necessity, continue to do so. They have been distinctly individualistic in all of their transactions. There has been a very large percentage of uneducated men engaged in farming; therefore, it has been almost an impossibility for them to act together in any organized way. One of our modern evangelists makes the statement that "a faithless husband has about as much chance of getting to Heaven as a dog with wax legs has of catching an asbestos cat in hell," and the unorganized farmer, in my opinion, has about the same chance as the dog with wax legs. He cannot get any place as an individual seller to an organized buyer.

After three years of strenuous work we are absolutely and fully convinced that the growth and development of the country in which we live depends entirely upon the extent of the organization for the mutual helpfulness of our agricultural people. Three years ago we were convinced of the principle and theory, and had examples of value of organization in every line of business in every country of the world. Farmers throughout the world and throughout our own section had tested it with wonderful success, and we, therefore, had the utmost confidence in the principle and fundamentals of our organization. We knew that we were trying to develop into a high state of organization a people the majority of whom had had less opportunity for mental development than probably any other class in the whole United States. I had time to dwell at length upon the conditions as they have existed and as they exist today in thousands of homes throughout our country, particularly in the tobacco belt of our three states—a section where, I repeat, God has given remarkable advantages and opportunities, unsurpassed by any other part of the United States. Every man of intelligence who occupies any position of leadership should blush with shame if he has not taken an active part in an effort to unshackle the people of this country from the economic slavery in which they have been held ever since the discovery of America.

Capital is organized, buyers are organized, the great corporations with their organizations and various ramifications, entering into every department of life and of our Government, are able to work for their advancement and profit. There is a close and important relationship which must always be kept in mind between the buyer and the seller, but when the buyer prospers, waxes rich and is bursting with his prosperity, while the seller remains in the deplorable condition in which we find him after all of these years, there must be something wrong with the relationship between the buyer, seller and consumer. Foodstuffs yield the farmer in the United States \$7,500,000,000 and the consumers pay \$22,500,000,000 for them.

We are now having an investigation by the Federal Trade Commission regarding the practices of one of the great buyers, one of those who enjoy almost an absolute monopoly in the sale of tobacco products in many sections of the world—one who has made everyone connected therewith rich, but

who has by its action in ignoring this association clearly stated to the farmers of our section, "You should not organize; you must not get together for your own protection." We submit to the judgment of the world if there is anything that can protect the seller of farm products from exploitation except the seller himself. However kind, considerate and devoted to the upbuilding of American manhood and womanhood these buyers may be, they are helpless when it comes to the competitive system of selling tobacco by the farmer. It's every fellow for himself, and the buyer who gets it at the lowest price has the advantage.

We need have no fear of the farmer's position being respected and understood and any proposal which he makes being carried to a successful completion when his organization reaches that stage where it is in a position to command the respect of those in authority. "By their fruits ye shall know and judge them." We challenge an impartial investigation and comparison as to results under the co-operative system as compared with the system which the warehousemen and buyers advocate. Unfortunately, we have not, as yet, progressed to that high point in our civilization and government which enables those in authority to act entirely upon the principles involved and for the good of the many. We must emulate the example of the laborer, brick mason, etc., before we are in position to demand our rights.

Every day I see either the advantages of organization, or failure on account of the lack of proper organization, until I am thoroughly convinced that the tobacco growers without an organization are as helpless and impotent as a little babe, and are only the slave and instrument of the greatest and most thoroughly organized system in the commercial world; he—and when I say "he" I mean we—has no more to say about our business and our country's growth and prosperity than a helpless child.

I appeal to you; this is your business, and until you realize it you do not deserve any more than you are getting, and I predict, with every possible assurance that my prediction will come true, that our states, properly organized, will grow and prosper in the next two years as they have never done before; but, unorganized, that we will go into a period of gradually diminishing returns for our principal products and we will all suffer accordingly.

You may think I am generalizing and talking theory. You could have said this three years ago, but I defy you to say it today. I have so much data and information upon the subject of the results of organization of the tobacco growers, not only of your state but also the other states engaged in it, that it would take a whole afternoon to bring it to your attention. The astonishing thing to me is that you bankers from the tobacco belts, who know what has been accomplished, can have any question as to where your duty lies. Won't you take the census of your state and consider the number and percentage of your population engaged in agriculture as compared with the number engaged in merchandizing or in some other lines? You will find that the population of South Carolina in 1920 was 1,683,724, and 17½ per cent were living in towns and that 82½ per cent were in rural sections. You will find that only 86,360 of your people are employed in manufacturing, and that the value of your crops was \$437,121,837, much more than the value of all your manufactured output, and on account of their character and distribution of incalculably more importance. You had 192,693 farms. These figures would about apply to the other states engaged in tobacco and cotton raising.

If organization has not brought about the following results, I will appreciate it very much if some of my hearers will tell me to whom the credit should be given:

South Carolina produced an average of 32,697,500 pounds of tobacco per year in the four years of 1913 to 1916, inclu-



sive, and they sold it at an average price of 10.04 cents per pound. Omitting the war years, the same territory produced in three years of 1922, 1923 and 1924 56,740,000 pounds of tobacco per year—almost double its yield annually—and they sold during these years of co-operative marketing this tobacco at an average price of 21.09 cents per pound—more tobacco in South Carolina, yet more than doubled its yield in cents per pound, and the three years brought South Carolina \$12,471,000 per year, as compared with the four years prior to the high-priced years of the war of \$3,403,111 per year. This does not include 5,000,000 pounds of tobacco which were given to the warehouseman in 1921 because it did not bring as much as 2 cents per pound, and if it had been considered in making up the average price received by the farmer for that year the average would have been lowered for the year 1921, just before the organization of this association, to about 9 cents per pound.

Does it mean anything to you bankers whether the tobacco crop yields \$12,000,000 per annum or \$6,000,000 per annum? Does it mean anything to you whether that \$12,000,000 is distributed amongst thousands of people for them to spend for the necessities of life, or whether a large portion of that \$12,000,000 is turned into the pockets of, perhaps, less than a hundred large dealers?

Now, if this was not the result of co-operative marketing, why was it that corn, which sold at an average of 96 cents per bushel for the years of 1913 to 1916, did not also double in value during the years of 1922 to 1924? As a matter of fact, corn sold in these latter years at \$1.03, just about an increase of 7 per cent, as against an increase of over 100 per cent in the case of tobacco.

Do you know that tobacco averaged less than 10 cents per pound in North Carolina and Virginia over a period of 30 years before the World War, and that never until this organization did the farmers of South Carolina enjoy the same price as their brothers in North Carolina? It is commonly known in the tobacco trade that the South Carolina type of tobacco has been placed on an equal with the eastern Carolina belt, their nearest neighbor, something that never happened before the organization of this association.

Suppose, Mr. Banker and Merchant, that the low prices of 1921 had prevailed during the poor crop year of 1924, how much worse off would the people in the tobacco belt of your state be today than ever? And could you wish that any people could be any worse off than the tenant farmer of eastern South Carolina is today? Have you realized that 10,000 organized farmers have brought \$18,000,000 in your state during the past three years through their determination to adopt sane business methods in the handling of their affairs? Don't you owe it to these farmers and to your state to encourage every farmer in every possible way to become a loyal, fighting member of a co-operative marketing association in every branch of production?

The figures for South Carolina are not isolated ones. Virginia averaged for the period given 12 cents before co-operative marketing and 25 cents since co-operative marketing, producing annually an increase distributed over all the territory of 11 cents per pound, or over \$15,000,000 per annum upon its average production.

Is it worth something to business men for farmers to have twice as much money to spend? We are all inclined to discourage any change of established systems and customs, and we bankers, perhaps, are more inclined to stick by the old order than most any other class. Yet, a survey made throughout the tobacco section shows that, notwithstanding the fact the members of this association do not get their money all at once, as the dumpers do, there are fewer outstanding accounts in proportion to the number of customers of mer-

chants against the members of this association than those who are non-members. This is the case in many sections.

In Surry county, North Carolina, one half of the farmers are members of the association. There are 200 farms advertised for sale by the sheriff for taxes; 184 of the 200 are owned by non-members of this association and 16 by members, and of the 16 members whose property is being advertised for sale 11 are known to be contract breakers, and of the remaining five, three were insolvent before co-operative marketing was organized. In the same county four-fifths of the borrowers from the Federal Land banks are non-members of the association and one-fifth are members, and that one-fifth are operating only one-eighth of the total. These are not isolated figures; they can be repeated in almost every county throughout the tobacco belts. Don't you know that the first advance last year to the farmers of South Carolina averaged \$8.94 per hundred pounds, which was almost as much as the farmer ever received for his entire crop in a normal year? In 1921 the price was \$11 per hundred.

As the success of every business, especially that of the farmer, depends upon the extent of organization, so the prosperity of the coming year, in so far as the tobacco belt is concerned, depends upon the amount of delivery to the association during the season now about to open. The association will never ask more than a fair price, everything considered, for a crop, but it will be in a position to demand this and increase the cash which comes into South Carolina, just in proportion the percentage of the crop which is delivered through the association; therefore, you should encourage loyalty amongst the members and urge all farmers to become members. I unhesitatingly say that every man who today is opposing the organization of co-operative marketing associations, whether he be a farmer who is selling on the open market or a banker who is encouraging him to do so, is an enemy to the progress and prosperity of his state, and prayer should be offered either for his enlightenment or for his conversion wherever the good people of South Carolina assemble for public or private worship.

The Government has given us all the facilities which we need to carry on this business. All we must do is to take advantage of these facilities and opportunities and manage our own affairs and stop having our welfare and that of our children dictated to from the remote places and by those whose chief interest is to get our products at a price just high enough to keep us producing, and who are able, on account of our lack of common sense, to carry out their wishes in this respect. I might hesitate to speak with such positive assurance were I voicing my opinion only, but when I consider that these principles and practices have proven successful and are endorsed and proclaimed by the highest authorities in statesmanship, letters and commerce in this and every other civilized country, I feel that I am strengthened and fortified beyond any possible personal or individual power. I feel that I have just touched upon my subject. In an address delivered a few days ago Mr. Cunningham, a member of the Federal Reserve Board said: "My one object and desire in coming here at this time is to renew my pleadings to the farmers of South Dakota to undertake the organization and carrying out of more efficient policies of finance and co-operative marketing."

I wish I could have the assurance that I have made you think of your personal responsibility in this matter of farmers' organizations as you have never thought about it before. If the bankers of our three states would only realize their responsibility to this and future generations, we would go into a campaign for a renewal contract covering a period of seven years, beginning today, that would result in the greatest growth, development and general prosperity that our three states have ever enjoyed.

# Revolutionizing a Farming Section Where Cotton Has Given Way to Trucking.

TRUCK GROWING ON EASTERN COAST OF SOUTH CAROLINA, WITH INTERESTING FACTS ABOUT CROP INSURANCE AND CO-OPERATIVE FINANCING.

By JACK WOOTEN, Columbia, S. C.

A man sat on a New York dock. He had left his lodging house near Washington Market because he could not sleep. His cotton crop down on the eastern coastal plains of South Carolina had been a complete loss for two years. He had come by boat from Charleston to the metropolis to borrow Northern capital—for the third successive time. It was 12 o'clock—a midnight in 1867.

The war between North and South had compelled the farmers around the South Carolina coast to begin all over again. They had no finances—nothing but strips of land on the islands—land that had grown rice, indigo and sea-island cotton and had known nothing else. In the first year after the Civil War storms around Charleston had proven disastrous; in the following season caterpillars had riddled the crops. There was a feeling of despondency among the island growers.

Ambition had sent William Christopher Geraty of Martin's

"Grown around there?"

"Yes"—the overseer seemed to be impatient, for he gave a slight shrug of his shoulders as if he did not appreciate the questions of the inquisitor.

Mr. Geraty was insistent. He asked several other questions. To the overseer each query now seemed sensible. He detected something interesting in the young man's manner. He seemed to be aware that the cross-examination had a deeper meaning than mere curiosity.

"Where are you from?" he finally asked young Geraty.

"South Carolina, near Charleston."

"Any truck around there?"

"Truck!" the young man never had given the idea even a slight chance of germinating in his mind; "do you think we could grow vegetables down there?"

"I don't see why you couldn't," came the reply. "Wait



Photo by Seaboard Air Line.

A FIELD OF CABBAGE AT MEGGETTS, S. C.

Point, S. C., back to New York. He still believed he could make a success with long-staple cotton. He felt that all he needed was money to buy his seed and fertilizer; natural climate and adapted soil would do the rest. But, while so musing, he gradually began to realize that the land around Charleston never had grown anything that resembled the merchandise that was being unloaded from the freight steamer at the dock. He could see the leaves of cabbages, could smell the odor from the boxes. He realized that he was gazing upon something besides cotton. Yes; it was vegetables—truck.

"Where's this stuff coming from?" he inquired.

"Norfolk," was the short answer.

here until 4 o'clock and we will have breakfast together; we can talk it over then."

So William Christopher Geraty waited—and wondered. Was it possible to turn sea-island land into profitable truck soil? Would anybody finance such a proposition? Northern capital was plentiful. The Palmetto State was at the door of starvation. He had borrowed money on his cotton crops because his land was suitable for the long-staple commodity. He had some guarantee there. But in planting truck, it was a leap in the dark—an experiment that had no assurance of success.

Four o'clock came, and with it breakfast. The South Carolinian and overseer sat down together. The stranger intro-



duced himself. He was John Nix, the founder of John Nix & Co., produce commission house of New York city.

The young Charleston county man related how disaster had overtaken both of his cotton crops after the war. He told of the period of depression and spoke with a degree of uncertainty concerning his plans for the following year. He

was put into operation. He was one of these farmers who apply good, hard common sense and judgment to the practical side of the work. He knew how to till the soil, and he realized that the experiment of growing vegetables might bring him fortune should he succeed. Together William Christopher Geraty and Francis W. Towles labored; together



Photo by Seaboard Air Line.

A FIELD OF CAULIFLOWER AT GEORGETOWN, S. C.

outlined the condition of the soil, the climatic conditions, the water facilities for transportation.

John Nix listened, and then he expressed his opinion. He believed the eastern section of the Palmetto State was suitable for vegetables, that the soil was of the producing variety, that the climatic conditions were ideal and that the water facilities were much better than those from Norfolk. He told the young man that the crops could be gathered earlier than those in Virginia and that they could be transported much easier into the East. The more the Northern man talked, the more young Geraty was impressed with the idea of experimenting in truck. But how about finances? He decided to take the chance.

"Would you be willing to put any money into this proposition?" he asked.

"I am perfectly willing to go South with you and investigate the conditions there," Mr. Nix replied; "then, I will give my answer."

The Northern man accompanied the young Southerner into the Charleston section. Mr. Geraty escorted him to his home on Wadmalaw Island. Then began the inspection. After several days on the island, John Nix pronounced his investigations as favorable. He agreed to finance the next year's vegetable crop. Thus, truck commodities came to Charleston county. They made their advent in 1868, with William Christopher Geraty, the pioneer, and John Nix, the financier of the young South Carolinian's first attempt.

Facing the problem of paying off the debts left by sea-island cotton—the king of the coastal section—with the proceeds derived from truck—an unknown quantity to the Charleston county soil—Mr. Geraty set to work with a will. He was fortunate in having the services of another young man who had aspirations for success—Francis W. Towles began work with the truck dreamer the year the new idea

they planned, and together they watched the vegetables come up—and grow.

In the meantime the farmers around the South Carolina coast continued to plant the sea-island cotton. They were afraid to take a chance on a commodity that might utterly fail. The supply men waited the outcome of the new experiment, but said nothing. Their methods of supplying rations and fertilizer to the tillers of the soil continued. But while these men were waiting for winter to come so that they might settle with the cotton farmers, young Geraty gathered his truck and shipped it to New York.

Charleston county's first truck experiment proved to be successful. The following year Mr. Geraty took another step forward—he diversified his crop, planting a greater variety of vegetables and increasing his acreage. At the end of the second year the fruits of his labor reaped more profits and his endeavors attracted more attention.

It was through the successful experiment of the young man and the publicity given by the supply men of the county that the truck idea was broadcast throughout the many little islands of the coastal sections. Knowing that Mr. Geraty had made good and had been enabled to pay off most of the debts acquired through the total failure of his cotton crops and the exorbitant prices he had to pay for the advancement of supplies and fertilizer in planting and cultivating these crops, the supply men accepted the truck proposition as something worth transmitting to their creditors. Throughout the county the "cotton factors" told what W. C. Geraty of Martin's Point had accomplished. They argued that truck was far more profitable than long-staple cotton, more stable, much more easily and more quickly marketed. They offered to advance supplies and fertilizer for cultivation. Through these men the monopoly of young Geraty was broken. Truck was definitely established in Charleston county. The vege-



table idea took root and continued to grow in practice. By the latter part of the '70s it had been planted into the minds of the farmers from Charleston to Savannah, Ga.

Until the standardization of railways in 1880 farmers were forced to ship the bulk of their crops to New York by the steamship lines. But Geraty and Towles believed in modern methods in all things, and so they decided that railroad facilities should be brought to their doors. Accordingly, the pioneer of the coast consulted H. B. Plant of the Plant Ferry system, who was also connected with the railway at Ravenel, and persuaded the transportation man to build a spur track of six miles from Ravenel to Younges Island. In 1885 this project was completed. Then, for the first time, the truck industry began to move by rail. This was a very important factor in marketing the various vegetables, for it enabled the farmers to ship to other points besides the East.

The vegetable idea now predominated all along the coast, but the farmers refused to give up sea-island cotton entirely. No longer was the long staple commodity cock of the walk, but it still had a place on the agricultural roost pole. But even as the farmers had failed in making cotton a paying proposition, so did they fail in the truck line. This failure was due to overproduction and poor distribution of the commodities. The example of W. C. Geraty in specializing in vegetables was carried to the extremes in many cases. Too much of each commodity was put in the ground for cultivation—too much dependence was put in the supply men. Hence, the unintelligent distribution. By 1900 at least 90 per cent of the truck growers were fighting a losing battle. They could not deliver themselves from the clutches of the

The method employed by the supply men in receiving their share of the profits was indeed discouraging to the truck growers. Once the vegetables were shipped to the Northern markets, the farmers were forced by the local financiers to have their agent send the proceeds of the commodity, with account of sales, to the supply men, and the truck factor deducted 5 per cent of the gross sales for his part in furnishing capital to cultivate, gather and market the crops.

In the meantime Geraty and Towles had reared families, and the children were branching out into the business world. Late in the '90s John W. Geraty, a son of the truck pioneer, returned from Florida to assist his father in the full-grown business, and in 1902 the Geratys and Towles dissolved partnership in the vast tracts of land on the Island and divided their property among their children. In 1902 the Geratys organized the brokerage firm of W. C. Geraty Company, and began to sell to shipping points f. o. b. Other brokers came into the field. Competition became keen, and prices began to be raised far above their market value. The farmers began to think that local buying and selling agencies had become their salvation. But it did not take them long to find that again they were on the wrong track. Because of high bids, a number of brokers had to withdraw from the field. Foreign firms established themselves and pitted their capital against the money of the coastal brokers. It was not very long before outside buyers practically had the field to themselves. Then came the reaction upon the truck growers. Monopoly again reigned.

Then, quite suddenly, the coastal-section brokers realized that they were not only cutting the throats of their farmer



Photo by Seaboard Air Line.

YOUNG LETTUCE AT BEAUFORT, SOUTH CAROLINA.

supply factor. The same exorbitant terms employed in cotton marketing were applied to the vegetables. The owners of the wholesale grocery stores and fertilizer manufacturing concerns continued to involve the tillers of the soil. So another period of despondency crept upon the farmers of the coastal section. Failure stared them in the face again, despite the hope they had cherished to free themselves from debt. It was the same old cry: "What can we do with supply men throwing sledge-hammers and giving us nothing but a few supplies and hopes to live on?"

neighbors, but that they also were pulling out their own hair. They could not get anywhere with such competition; they needed co-operation. The South Carolina Producing Association was formed, with headquarters at Meggett, about 26 miles from the city of Charleston. The credit concern began operations in 1916. The period of prosperity following the World War came to the coastal region, and there was a general trend of good business and high prices. The producing association brought truck growers from three counties into its fold, and there was success. Money was accumulated,



Photo by Seaboard Air Line.

## BEANS FOLLOWING LETTUCE AT GEORGETOWN, S. C.

and money was deposited in the banks. Everything was flourishing for a time.

And then the bottom dropped out of everything. In the first place, the boll weevil had infested the long-staple cotton and the king of all South Carolina agricultural commodities passed out of existence. Despite the fact that truck had taken the place of the sea-island product years before, there were a number of farmers who had continued to plant the long-staple product. But when the little streaked insect stuck his bill into the bolls it was necessary that a complete readjustment be made of their crop rotation. Another concern of the farmers was the failure of several banks in Charleston and the debts that had accumulated from two disastrous years in the trucking game. There had been bad weather, there had been poor crops and there had been almost total losses. The markets were low and the morale of the truckers was torn to pieces. They had little credit. They could not borrow money. Failure stared them in the face. Besides their local troubles, the farmers were carrying their portion of the burden of \$30,000,000,000 in losses imposed upon the farmers of the whole country by the Federal Reserve Board deflation in 1920. The freight rate on vegetables was also much higher than the growers desired. Everything was against them. The farmers turned to their association.

"We've got to have money," they said. "It's a case of necessity. We can't get credit anywhere."

And so the officials of the South Carolina Producing Association turned to the Federal Intermediate Land and Credit banks for assistance. These banks had been designed primarily under the Federal Farm Loan Bureau to help the cattle-raising industry, but the depressed minds of the crop producers grasped at a straw of hope and put their plight up to the Government financiers. Could they get the credit? Under the law, an Intermediate Bank might rediscount the paper of a farmers' organization if endorsed by another such association; so the South Carolina Producing Association organized the Palmetto Agricultural Credit Association. Again the truck growers of the coastal section began a new experiment in the hope that it might deliver them from their troubles. The new experiment looks good. It is being accepted as good by a large majority of the vegetable planters, and it is being given a fair trial.

Under this method, as described in detail in the *MANUFACTURERS RECORD* May 7, the farmers pledge as security crops which have never been planted. The day of the supply men

seems to have passed. Brokers no longer hold the planters at their mercy, unless, perhaps, the farmers themselves choose to accept this method of marketing their crops. Bank failures make little difference. With Uncle Sam's money, the truckers plant their crops. On their own free will and accord the farmers link themselves with the Producing Association. There is co-operation. The growers of the South Carolina coast look for success. An insurance feature, to guarantee the farmers sufficient protection on the pledged crops to help to assure the payment of their notes when due, has been designed by the Hartford Insurance Company. Farmers suffering losses on their crops do not derive direct benefits from the policies the first year—that is, they do not collect the actual damages. However, they are protected by an endorsement on the certificates by the insurance company, and this enables them to get credit on the next crop.

The truck growers of W. C. Geraty's section are entering into the insurance and new financial plan with a whole-hearted spirit. They are accepting it as something experimental, just as they accepted the substitution of truck for sea-island cotton away back in 1870. And they are optimistic.

The South Carolina Producing Association business is conducted almost entirely by farmers—men who know the section of the state in which they live, men who have gone through the mill of despair and reverses, men who have the interest of the farmers at heart and know their neighbors, their likes and dislikes. The working force is small and every line of economy is practiced. The Association is composed of stockholders and members. Each stockholder is a member, but each member is not a stockholder. The members, however, receive the same privileges accorded the stockholders, but do not share in the dividends paid each year. Every member of the association has a telephone at his residence, this service being furnished free of charge by the co-operative organization.

According to officials of the organization, the co-operative way of selling by the new method of finance is expected to increase the net proceeds from 25 to 30 per cent. The new method will decrease the cost of selling from 12 per cent to about 3½ per cent. Through the loans granted by the Intermediate Credit Bank, members of the Association will have \$750,000, at a cost of 4½ per cent to the organization itself. The farmer will get his money at a 6 per cent rate, against the 7 and 8 per cent rate he had to pay before. The Federal Intermediate Credit Bank in District No. 3, Columbia, S. C.,



has already advanced well over \$500,000 on Association notes.

Such is a brief history of how truck came to the coastal section of South Carolina, and of the financial machine that is now operating in an effort to make the revolutionary methods in finance a permanent success.

The vegetable crops grown on the island soil include white potatoes, cabbages, onions, beans, cucumbers, turnips, beets, spinach—some farmers plant one, some plant the other, some plant all. Also there is corn—a supporting crop, the grain often being planted between potato and cabbage rows. From it the farmer gathers enough for his own personal use and

factured at Charleston, and are easily accessible to the vegetable growers. Everything is convenient to the truckers. Labor is both accommodating and satisfactory. The bulk of the work is handled by the island negroes.

This is the trucking life in Charleston county. All along the coast from the City-by-the-Sea to Savannah, Ga., vegetables grow in huge quantities. In this same section, 60 years ago, nothing was planted save cotton and a little rice. Then came a few truck commodities. Later came diversification. Failures were interspersed with good years. Depression reigned at times—hopes were revived with some new method



Photo by Seaboard Air Line.

AN IRISH POTATO FIELD AT MEGGETT, S. C.

feeds the hard ears to his stock; then, he plows the stalks in the ground and allows them to assist in fertilizing the next truck crop. The Charleston county land is never idle. There are winter crops, summer crops, spring crops and autumn crops. Most of the farmers rotate the crops year after year; most of them practice diversified planting. Potatoes and cabbages are the "king" crops of the coastal section—both are stable and will endure almost any sort of weather.

Some land around the Meggett section of the coast lay idle for years, but proper drainage and scientific care of the soil have made the ground adaptable to truck commodities. Cotton could not grow there, but with vegetables it is different. In practically every field there is a spur track constructed so that the vegetables can be conveyed to the main railroad line with very little trouble and in good time—that is the outcome of the six-mile track built from Ravenel to Younges Island in 1883.

At Meggett, the home of the South Carolina Producing Association, there is a very little town with a small number of people and much business. The main lines of the Seaboard Air Line and the Atlantic Coast Line pass through the village. Along the side tracks are dozens of freight cars—truck conveyers brought from the loading points in the fields. Government inspectors grade and pass on the vegetables—the truck farmers believe this is a forward step and that the idea is good. Leading out from Meggett are good roads. The little town is 26 miles from Charleston and there is a hard-surfaced road practically all the way. Dirt roads lead from the mainland to the various landing places on the islands. The boxes in which the truck is packed are manu-

factured at Charleston, and are easily accessible to the vegetable growers. Everything is convenient to the truckers. Labor is both accommodating and satisfactory. The bulk of the work is handled by the island negroes.

There is a rainbow in the sky. It seems to promise progress. There is a light of day where once there was a cloud of despondency.

A man sat on a New York dock and dreamed. His dream has come true.

### Construction Soon on \$450,000 Courthouse.

Breckenridge, Texas.—Construction bids are expected to be invited soon on the proposed Stephens county courthouse to be erected here at a cost of approximately \$450,000. Plans for the structure, which are being prepared by the David S. Castle Co. of Abilene and Dallas, call for a four-story building with basement, 80 by 160 feet, exclusive of porticoes, of Corinthian architecture, the exterior to be faced with limestone and terra cotta.

### Contract Let for \$1,000,000 Hotel.

Bradenton, Fla.—General contract has been awarded to the Foundation Co., Atlanta, Ga., for the erection of the new Manatee River Hotel here at a cost of about \$1,000,000. The structure will be located at the Bradenton end of the new county bridge over Manatee River and will contain 169 rooms. It is being built for H. C. Van Sweringen of Cleveland and Bradenton and associates, and is expected to be completed by January, 1926.

# A Reply to Federal Reserve Board's Opposition to Carolina Branch of Reserve Bank.

American Trust Company.

Charlotte, N. C., July 16.

*Editor Manufacturers Record:*

I have read with much interest the articles published on the Federal Reserve Branch for the Carolinas.

I notice in the article quoting from the Federal Reserve Board reasons why the petition for the branch has not been granted that they lay especial emphasis on the question of expense. In this connection please let me advise you that our petition was accompanied by signed agreements from non-member banks in this territory, in which they stated that they would join the system if a branch was located in Charlotte whose reserve deposits, combined with the increased reserve deposits, the Charlotte banks would be required to keep, would furnish an additional revenue or income to the Federal Reserve system of \$25,000 annually, and this figure is arrived at on the basis that 65 per cent of the increased reserve deposits would be loaned out at 4 per cent interest per annum. You understand, of course, that the Federal Reserve Bank has to keep 35 per cent of its reserve deposits in gold and, therefore, can only lend 65 per cent of the additional reserve deposits.

A guarantee was also sent in by responsible banks with the petition that within twelve months after the branch was established additional new non-member banks would be secured to join the system to make up an additional \$25,000 income per annum for the system, figured on the same basis as the above. This, you will observe, guaranteed the system \$50,000 new income, or one-half of the additional expense to establish the branch. There is no question but that in a few years the system would secure through the establishment of this branch a sufficient number of new members from state banks in this territory to more than pay the additional expense of establishing the branch.

Our contention down here, however, is that the matter of \$100,000 additional expense is not entitled to much consideration, if any. The big question to be considered is the importance of the territory and the volume of business, and the enormous savings that the business people of all classes would enjoy through the establishment of this branch, by the saving that would be effected by the clearing of a vast volume of checks arising in North and South Carolina, and also a very large saving that would be made on the handling of currency during the crop-moving season. This item of saving on currency in this territory alone would justify the establishment of the branch.

We also contend here that it is a good thing for the Federal Reserve system that it did not make its dividend last year, and I am sure that if the system would run for several years longer and make no money, or even lose a small amount, as they did last year, it would be a good thing for the system as a whole, for the reason that many banks throughout the country feel that the Federal Reserve system has made entirely too much money out of them and they resent it. I do not think their position in this respect is justified, but nevertheless it is a fact that many of them feel this way, for I have heard them express themselves. They think they should receive more dividends on their stock and participate more largely in the earnings of the system. They cannot receive over 6 per cent dividends on their stock.

When you consider the enormous profits which the system has made within the last eight or ten years, accumu-

lating about \$215,000,000 surplus, which they now hold against a capital stock of about \$105,000,000, I believe, in addition to having paid out a good many million dollars in dividends at the rate of 6 per cent, and most discouraging of all to the bankers, in addition to the vast accumulation of profits, they have paid out of the profits an additional amount of something like \$140,000,000 or \$160,000,000 in taxes to the Government—in the light of these facts, can you blame the business people of this great section for feeling that the small matter of \$100,000 expense is not worthy of consideration?

It should not be overlooked that the Federal Reserve Act provides for the establishment of branches just as much as it provided for the establishment of the twelve regional banks. If it is a fact that it was a mistake on the part of the Federal Reserve officials to establish some of the branches in the past, that does not have anything to do with the merits of our claim, and that does not condemn the Federal Reserve Act, in part or in whole. If mistakes were made in the establishment of some of the branches, that is the fault of the men who were in authority when these branches were established, and is not the fault of the Federal Reserve Act, which specifically provides for branches where the territory constitutes an "economic unit," clear-cut and independent. The Federal Reserve Board in its report for 1914 says: "Branch banks would be established in a particular part of a district which presented a clear-cut, independent trading area, whose territory was an economic unit and whose member banks naturally stood in close relationship one to another."

It has been stated, though I am not prepared to believe it, that one or two officials connected with the Federal Reserve system are opposed to the establishment of branches per se. The Federal Reserve Act was the outgrowth of the study and the work of a large number of wise men over a long period, and the great success of the Federal Reserve system has been due in a large measure to the placing of the banks and branches throughout different sections of the country, instead of following the old idea of the central bank, and it has proven to be the most beneficial legislation this Government has ever passed since the Constitution was written.

W. H. Wood, Chairman,

North Carolina Branch Bank Committee.

## To Vote on \$3,000,000 of Bonds.

St. Petersburg, Fla.—An election has been called for September 8 in this city on a bond issue of more than \$3,000,000 for municipal improvements, including an incinerator to cost \$1,000,000. Other items embrace the following: Reinforced concrete bridges, \$110,000; sewage disposal plant, \$365,000; dredging and improving Mirror Lake; purchase and installation of two units for power plant, \$235,000; retiring mortgage on dormitory site, \$60,000; storm sewers, \$443,000, and construction and enlargement of drainage ditches, \$21,000.

For improvements to water plant, \$86,000; expanding water distribution system, \$964,000; extension to gas plant, \$253,499; extension of mains, \$236,501; purchase of eight double-truck street cars, \$100,000; additional trackage, \$92,000; new car barns, \$193,000, and for loop extension on First avenue, \$15,000. George W. Wylie is the city attorney.



### Southern Students Capture Half of Scholarship Awards by American Chemical Society's Prize Essay Contest—Young Women Students Score.

Winners in the Prize Essay Contest of the American Chemical Society are announced by the National Awards Committee, of which Secretary Herbert Hoover of the Department of Commerce is chairman. Announcement is also made that, beginning August 3, a three-day national symposium on chemical education will be held in connection with the society's seventieth meeting at Los Angeles, when 1500 scientists from this and other countries are expected to attend.

Six scholarships—four at Vassar College and two at Yale University—each carrying tuition fees and \$500 annually for four years, were awarded in the Prize Essay Contest, established through gifts of Mr. and Mrs. Francis P. Garvan of New York in memory of their daughter Patricia.

Though the South has only one-third of the country's population students captured half of the six scholarships. Southern students captured half of the six scholarships in which 300 essays selected from thousands submitted by high and secondary school students in preliminary prize contests held under the direction of state committees in every state, in the District of Columbia and in the insular possessions.

Committees of the American Chemical Society sifted these selected essays, divided into six groups of fifty each, representing the first prize-winners in the state and territorial contest in six fields of chemistry, down to the best three in each group. From each of these six groups of three the National Committee, headed by Mr. Hoover, chose the scholarship winner.

Roger S. Makepeace of Waterbury, Conn., won the Yale scholarship in the group whose theme was "The Relation of Chemistry to National Defense." Stephen P. Gerardi of Washington, D. C., and Kam Hu Lau of Honolulu, Hawaii, received honorable mention.

Henry S. Singletary, Jr., of Port Arthur, Texas, was the winner of the Yale scholarship in the group whose essays dealt with "The Relation of Chemistry to the Enrichment of Life." Honorable mention went to Norman L. Trott of Baltimore, Md., and Wendall R. Marks of Huntington, W. Va.

Jane Summers of Ensley, Ala., received a Vassar scholarship for her essay on "The Relation of Chemistry to the Development of an Industry," honorable mention going to Lewis C. Mattison of Lynchburg, Va., and Wilda May O'Neill of Kallispell, Mont.

Ruth Jamieson of Rivera, Cal., was awarded a Vassar scholarship in the group which wrote on "The Relation of Chemistry to Agriculture," and in which Gerald F. Otto of Rochester, N. Y., and Henry C. Wagner of Lawrence, Kan., were chosen for honorable mention.

In the group whose topic was "The Relation of Chemistry to the Home," Marion Honke of Carroll, Iowa, was the Vassar scholarship winner, honorable mention being accorded to Frank R. Stocker of Scranton, Pa., and Helen L. Miller of Modesto, Cal.

Shirley Cordill of New Orleans, La., received the Vassar scholarship in the group dealing with "The Relation of Chemistry to Health and Disease." Honorable mention went to Mary H. Young of North Chattanooga, Tenn., and E. Harold Leland of Oak Park, Ill.

In addition to the six four-year scholarships in chemistry or chemical engineering at Yale and Vassar, Mr. and Mrs. Garvan gave \$10,000, of which \$6000 was expended by the society in awarding in each state six prizes of \$20 in gold to the students in all secondary schools, public and private, for the six best essays evidencing an understanding of the importance of chemistry in the life of the nation. The re-

maining \$4000 was applied to the expenses of the contest.

The National Awards Committee, in addition to Secretary Hoover, included:

Wallace Buttrick, president of the General Education Board, New York; Dr. Charles H. Mayo, Rochester, Minn.; H. N. MacCracken, president of Vassar College; Frederick P. Fish, Boston; Matthew Woll, vice-president of the American Federation of Labor; Senator Arthur Capper, Kansas; Mrs. John D. Sherman, Estes Park, Col., president of the General Federation of Women's Clubs; Ernest Flagg, Robert J. Cud-dihy, Ida M. Tarbell, Lawrence F. Abbott, Lee K. Frankel, Louis Bets, Leo H. Baekeland and John J. Carty, New York; J. R. Angell, president of Yale University.

Other committee members were:

Senator James W. Wadsworth, Jr., New York; Frederick E. Weyerhaeuser, St. Paul, Minn.; Richard H. Edmonds, Baltimore, Md.; J. C. Merriam, president of the Carnegie Institution of Washington; Julius Rosenwald, Chicago; Mrs. Thomas G. Winter, Minneapolis; Mrs. Anthony Wayne Cook, president general of the National Society, Daughters of the American Revolution, Washington; Mary Roberts Rinehart and Merle Thorpe, Washington; Robert Andrews Millikan, Pasadena, Cal.; Emma P. Carr, head of the Department of Chemistry, Mt. Holyoke College; Albert B. Dinwiddie, president of Tulane University; George Eastman, Rochester, N. Y.; William D. Haggard, Nashville, Tenn.

Prof. W. A. Noyes of the University of Chicago will preside at the Los Angeles meeting of the American Chemical Society, which will attract educators from all over the country. Reforms in the teaching of high school and college chemistry will be considered at joint sessions of the society's Division of Chemical Education and Section of Chemical History. Those who will deliver addresses include:

Prof. Lyman C. Newell, Boston University; Prof. B. S. Hopkins, University of Illinois; Prof. G. W. Sears, University of Nevada; Prof. W. C. Morgan, University of California; Prof. R. E. Swain, Stanford University; Prof. J. H. Hildebrand, University of California; Prof. J. E. Bell, California Institute of Technology; Dr. Edgar F. Smith, University of Pennsylvania; Prof. Roger J. Williams, University of Oregon; Prof. Alexander Silverman, University of Pittsburgh; Prof. H. I. Schlesinger, University of Chicago; Dr. H. G. Deming, University of Nebraska; Dr. Wilhelm Segerblom, Phillips Exeter Academy, Exeter, N. H.; Prof. Neil E. Gordon, University of Maryland.

### Bids for Greensboro's \$250,000 Y. M. C. A. Building.

Greensboro, N. C.—Bids have been opened for the erection of the new \$250,000 building to be erected here for the Young Men's Christian Association, W. P. Rose of Goldsboro, N. C., submitting the lowest estimate at \$220,900 for the general contract. Low bids for other contracts include one from Hunt Bros., Greensboro, at \$23,975, for plumbing; W. W. Dick, Greensboro, at \$15,719, for heating, and Harold Ross, at \$6560, for electrical work, all local firms.

The building will be five stories, of Indiana limestone and brick construction. Facilities to be provided will include a gymnasium, swimming pool, exercise room, etc. Harry Barton of Greensboro is the architect.

### New \$6,000,000 Pipe Line for Texas.

Houston, Tex.—Contracts have been awarded by the Moody Gulf Gas Co., a new enterprise organized with a capital stock of \$750,000 by W. L. Moody, 3rd, of Galveston, and associates, for the construction of a gas-pipe line in Texas to cost approximately \$6,000,000, including field connections, booster stations and tieing-in, with distributing lines at Houston. The project will embrace 150 miles of 6-inch trunk line and will extend from Refugio, Edna and Markham gas fields to this city. Contract for pipe has been awarded to the Youngstown Sheet & Tube Co., Youngstown, Ohio, and for construction to the Hope Engineering & Supply Co., Mount Vernon, Ohio.

# How the Child Labor Amendment Would Wreck the Government.

By WILLARD J. BANYON, St. Joseph, Mich.

The miscalled Child Labor Amendment was so decisively rejected by the legislatures of the various states that voted upon it during the past few months that it seems irretrievably lost unless the proponents of this monstrosity of legislation can resuscitate and inject new life into its dying corpus. Is it prohibition of "child labor" that is sought by this most sweeping grant of power ever proposed, that should be relinquished by the sovereign states to the National Government? Or does it mean, if the Amendment is eventually ratified by 36 states, an entire change in our form of government?

If individual incentive is to be destroyed and subordinated entirely to the right of the state, and especially the Federal Government is to determine how far it will go in the regulation and control of the habits, labor, health and education of persons under 18 years of age, which the so-called Twentieth Amendment in its final analysis proposes to eventually do, then the American form of government, of "an indestructible Union composed of indestructible states," is at an end. The second clause of the Magna Charta granted by King John at Runnymede more than 710 years ago, says:

"We also have granted to all the freemen of our kingdom, for us and for our heirs for ever, all the underwritten liberties, to be had and holden by them and their heirs, of us and our heirs for ever."

The Fifth and Fourteenth Amendments to the Constitution of the United States reiterate those fundamental rights which were enunciated in the Declaration of Independence, and which rights have been recognized and preserved to the individual through centuries of Anglo-Saxon civilization and still are protected by the Constitution and every state Constitution in the Union.

A person over 14 years of age and under 18 years of age, by legal interpretation, is not a child. William Draper Lewis, attorney for the National Child Labor Committee, in a signed statement to the Senate Committee on Education and Labor, concedes this. The age limit prescribed in the Amendment, "under 18," was purposely placed at this extreme limit by its sponsors, not for the purpose "to limit, regulate and prohibit child labor," but for no other purpose than to nationalize 40,000,000 persons under 18 years of age, millions of whom are beyond the age of childhood, and who under the laws of every state in the Union are permitted to marry, thousands of whom are married, and even are fathers and mothers, thus making these young married persons wards of the Child Labor Bureau at Washington, providing the Amendment is ratified by 36 states, as Congress certainly will pass the necessary legislation to make the Amendment most effective, as intended by its proponents.

The word "employment" is not used in the Amendment, but the comprehensive word "labor." Labor, in its ordinary sense, implies personal services and work by the individual. "Labor may be physical, intellectual, or a combination of the two." The right to labor and to work is one of those fundamental rights which have been reserved to the individual under the American form of government, and this right throughout the centuries has been protected, not only to individuals beyond the age of 21 years but also to young persons under 18 years, and while certain restrictions have been passed by all of the states as to the employment of young persons in hazardous undertakings, or of long hours of labor, still no state ever has gone so far as to prohibit the labor of persons under 18 years of age. And if any state did attempt entirely to prohibit the

labor of persons between 14 and 18 years of age, there is no doubt such legislation would be declared unconstitutional.

Speaking of the rights of the individual, Mr. Justice Pitney in *Coppage vs. United States*, said:

"Included in the right of personal liberty and the right of private property—partaking of the nature of each—is the right to make contracts for the acquisition of property. Chief among such contracts is that of personal employment, by which labor and other services are exchanged for money or other forms of property. If this right be struck down, or arbitrarily interfered with, there is a substantial impairment of liberty in the long-established constitutional sense. The right is as essential to the laborer as to the capitalist, to the poor as to the rich, for the vast majority of persons have no other honest way to begin to acquire property."

Senator King of Utah stated in the Senate that "every Socialist, Communist and Bolshevik is in favor of this so-called Child Labor Amendment," while Victor Berger in the House of Representatives claimed it was a Socialist measure. Many of the proponents of the Amendment, while not denying its Socialist origin, claim it is only "an enabling Act," and add, "No particular kind of child labor"; "Congress can be trusted, as it already has passed two child labor laws." To one who is not familiar with the history of the child labor legislation passed by Congress, these arguments are most deceptive, and specious in the extreme, and one in abhorrence of child labor does not perceive the guiding motive back of the Amendment is eventually to change the American form of government.

At the secret Communist convention held in the sand dunes near Bridgman, Berrien county, Michigan, a document was discovered by the officers, and it gives some idea of what is in the minds and the determination of certain advocates of the Amendment to destroy, or at least change, the American Government. The document reads, in part:—

"If we injure one part of the Government machinery, the Government, like the human body, will become ill and die. When we introduce the poison of liberalism into the Government organization, its entire political complexion changes. The Government develops a mortal disease—a decomposition of the blood."

For 25 years, at least, there has been a most determined and persistent endeavor on the part of those who have no sympathy with American institutions to engraft upon the Constitution, under the guise of social legislation and other uplifting and humanitarian projects, amendments which would make the Constitution a penal code and destroy the independent action of the state, virtually wiping out the Tenth Amendment, so that the states will be entirely dependent upon the Federal Government, thus bringing to a fruition the very thing which George Mason, John Tyler, Benjamin Harrison, William Grayson and the immortal Patrick Henry predicted in the great Virginia convention in 1788, and when Henry, in opposing ratification in those eloquent words, proclaimed: "The tyranny of Philadelphia may be like the tyranny of George the Third."

Back of and far behind all of this agitation of the noisy minority, the pleas of the reformers and uplifters, is the determined and persistent effort of the master mind and guiding hand of those who do not have, and never have had, any sympathy for the American form of government, the checks and balances of the Constitution, with its enumerated powers, and the sovereign power of the state, but to substitute state



socialism for individual initiative and effort, which have been protected now for 138 years by the Constitution.

To argue that Congress will not exercise all the power granted by the Amendment is most fallacious. The very reformers, uplifters, and "what-nots" who insisted and demanded that the age limit extend to 18 years will be just as persistent, if the Amendment ever is adopted, that Congress pass all such legislation as is necessary to carry out their program, and past experience has shown that Congress has, on every question for which it has received authority to enact legislation, not only gone to the full limit, but also in many instances has gone far beyond such limit. Even Jefferson had only limited faith in Congress, as he realized it was like a jealous girl—most jealous of its power. In writing to James Madison, he said:

"A legislative despotism was not the Government we fought for. \* \* \* In question of power, then let no more be heard of the confidence of men, but bind him down from mischief by the chains of the Constitution."

The Supreme Court of the United States is just as much the object of attack of these socialistic propagandists, and more so, for reason the court in many instances has been the safety valve upon unwise and unconstitutional legislation, in which Congress not only greatly exceeded its power, but also deprived persons of their liberty and their pursuit of happiness. The court has ever been a zealous protector of the human rights of the individual as against the legislative despotism mentioned by Jefferson.

The Child Labor Act of September 1, 1916, passed by Congress, did not attempt to prohibit or regulate the labor of persons under 18 years of age, but fixed the minimum age at 14 years, and further provided that between the ages of 14 and 16 an eight-hour day must be the extreme limit. By the Act of February, 1919, Congress fixed the same standard as to the ages. May, 1922, the Act was declared unconstitutional by the Supreme Court of the United States in an opinion written by Chief Justice Taft and concurred in by all the other Justices, except Justice Clark.

The proponents of the miscalled Amendment, still not admitting its socialistic origin, insist that its adoption is not incompatible with the American form of government, and seek to justify its ratification as absolutely necessary to prevent child labor, the exploitation of which, they declare, now is a national problem. This contention is most emphatically contradicted by Miss Nina Allen, former chief of the Child Labor Tax Division, Bureau of Internal Revenue, and who administered the 1919 Act for a period of a little over three years. Miss Allen takes a decided and most aggressive stand against the proposed Amendment, and declares that it is "a new theory of government," and that the necessity for any such "revolution" by change of our Constitution is unwarranted, "as practically all of the distressing stories about child labor, so freely told at present, relaté to conditions that no longer exist."

The census of 1920 revealed some 1,060,858 children in this country between the ages of 10 and 15 years engaged in gainful occupation. Of this number, however, 647,000 were engaged in agricultural pursuits on farms, and of these 570,000—or about 88 per cent—were living and working on farms owned by their parents. The other 413,000 include the boys of the country who deliver newspapers before and after school; messenger boys, office boys, pages who run errands for Senators and Congressmen at Washington and for members of the various state legislatures; all other boys and girls who do any kind of work—even an hour a day—regardless of the fact that the work shows them how to earn money and teaches them the value of saving.

The census of 1920 discloses that between the ages of 15 and 19 years there were 96,424 males and 596,542 females who were married; 1830 widowers, 12,149 widows and 6017 divorcees. Of these numbers, the three Southern states of

Mississippi, Alabama and Georgia show 15,665 males, 79,412 females married; 392 widowers, 2919 widows and 960 divorcees, while the three North Central States of Iowa, Wisconsin and Michigan show 4443 males, 32,929 females married; 75 widowers, 317 widows and 330 divorcees. The proportion is nearly four to one in favor of the three Southern states as to the married males, and nearly three to one as to the married females, clearly demonstrating that in the warm Southern states, where the climate has a marked effect upon the maturity of the child, both the male and female take on the cares of manhood and womanhood more readily than those in the Northern states. Thus, it is obvious that, because of the vastness of the United States, the diversified population and the different conditions of life, any regulation which would be effective in one state may mean disaster to the happiness and well-being of the individuals of another state.

The Amendment, if ever adopted, instead of being a shield for the protection of child labor, will be a sword to create idleness, vice and crime. This is clearly demonstrated by the marked increase in the tendency of youth toward crime, as shown by the unprecedented increase of young criminals in the past 10 years. Recently a survey was made of the criminal records of Marion county, Indiana, where the leading railroad center of Indianapolis is located. Comparing the criminal convictions in 1913 with those of 1923, it was demonstrated one man was convicted of robbery in 1913 under 21 years, while 10 years later 78 per cent of such crimes were committed by young men under 21 years.

During the World War, under the selective service regulations, there was a registration of 23,908,576 men of whom 17,593,778 were classified and 925,873 physically disqualified. The average physical disqualification was 5.27 per cent. The lowest physical disqualification was found in the state of Maryland, only 2.28 per cent, or 4882 out of a classification of 214,785. The highest physical disqualification occurred in the state of Maine, 8.85 per cent, or 9531 out of a classification of 107,675. There is no doubt that the climatic conditions of these two states are in a large measure responsible for the variation in these two sets of figures. The health conditions of the industrial state of Maryland are more conducive to physical development, as shown by these figures, than the farming and lumbering state of Maine. This is diametrically opposed to the contentions of the proponents of this miscalled Twentieth Amendment, and it again demonstrates that what is effective regulation in one state may mean disaster in another.

The curse of the nation today is the idle youth, where the seeds of crime and disease are planted. The truism of Benjamin Franklin, "An idle brain is the devil's workshop," has become a reality.

One of the grievances against George the Third was that "he has erected a multitude of new offices and sent hither swarms of officers to harass our people and eat out of their substance." Let this miscalled Twentieth Amendment be adopted and the homes of the individual will be invaded in every state in the Union by inspectors, spies and other Federal agents, and a vast bureaucracy maintained at Washington. Instead of 750,000 Federal employees, there will be needed at least another additional quarter of a million of inspectors and regulators to invade the home and countryside of every farmer and fruit grower, as well as every manufacturing plant in the United States, to enforce the Amendment. Section 4 of Article IV of the Constitution of the United States, as well as the Fourth Amendment, will be ineffective to protect the state and home from the inquisitorial eye of the autocratic inspector operating under the Child Labor Bureau at Washington. Then the government of Washington, Franklin, Hamilton, Madison and Jefferson will have ceased to exist.

The hour is at hand for every liberty-loving, God-fearing,

patriotic American and those who believe in the preservation of American ideals to determine henceforth to go forward under the banner of the Republic; to maintain those ideals, armed with the Holy Bible in one hand, the Constitution of the United States in the other, taking the former as a guide and the latter as a chart and compass, with the battle cry, "Back to the Republic!"

### Alabama Power Report Shows Greater Use of Electricity in Country Districts.

The annual report of the Alabama Power Company, Birmingham, has been issued in pamphlet form to the stockholders, and president Thos. W. Martin says to them that the directors and officers are very much gratified at the continued confidence in the company, indicated by the increasing number of stockholders within the state, and feel that this is due not only to the security of the investments made but also to a growing realization of the importance of the company's work in the public service. A picture of the new home of the company, which is now being built at Birmingham, is shown on the first page of the pamphlet, and at the back of the book is a large map displaying the extent of its lines and the locations of its different power plants, etc.

Among the outstanding features of 1924 in the company's business were improvement in service; increased output of electric energy; increase in gross and net earnings, being the largest in the company's history; extension of service to 31 additional towns and communities; increased sales of preferred stock, principally to residents of the territory served; addition of 30,000 horsepower of steam electric capacity and 19,100 horsepower of hydro-electric capacity to the generating plants.

The operating revenues for the year amounted to \$8,823,389, as compared with \$7,863,294 for 1923, or an increase of 12 per cent. Operating expenses also increased, but by reason of the greater gross revenues the net operating earnings of the company were \$4,333,363 for the year, or 20 per cent more than in 1923.

There are many excellent pictures in the report showing different plants and also various uses of electrical power. The remarks and illustrations concerning the increased use of current in rural regions are especially interesting and significant.

### New \$7,000,000 Hotel for Palm Beach.

Palm Beach, Fla.—A new hotel to be known as the Palm Beach Royal will be erected here by Sidney Maddock and associates at a cost of \$7,000,000 to replace a structure destroyed by fire several months ago. Work on the foundation has already begun. The building will be of Spanish and Moorish architecture and will contain about 500 rooms. It will be equipped with radio facilities, shower baths for athletes, convention hall, theater, shops, swimming pool, running ice water and other modern features. Plans are being prepared by Frank Andrews, Allen & DeYoung of New York, and it is stated that a Spanish architect will be brought to this country to assist in working out details.

### Extension in Coal and Timber Lands.

The Big Sandy & Cumberland Railroad, a narrow-gauge subsidiary line of the Norfolk & Western Railway, running from Devon, W. Va., to Grundy, Va., 33 miles, has applied to the Interstate Commerce Commission for authority to build an extension of 14 miles near Hurley, in Buchanan county, Virginia, along Home Creek and the Lester Fork of Knox Creek, this to shorten line and reduce grades. It will also connect two lines. The route is in a coal and timber region.

### \$5,000,000 CEMENT PLANT FOR TAMPA. To Produce 2,500,000 Barrels Annually—300 Workmen to Be Employed.

A cement plant to represent an investment of \$5,000,000 and to produce approximately 2,500,000 barrels annually will be erected at Tampa, Fla., construction to begin soon. H. J. Weeks, secretary of the Signal Mountain Portland Cement Co., Chattanooga, wires the MANUFACTURERS RECORD that the plant will be erected by a new company to be headed by John L. Senior, president of the Signal Mountain Portland Cement Co., and the Peninsular Portland Cement Co. of Cement City, Mich. It will employ 300 workmen and will have an annual payroll of something like \$700,000. Engineering and construction details will be handled by the Cowham Engineering Co. of Chicago.

It is stated that a site for the plant has not been determined, but it will be located on deep water and will utilize rock and clay as raw materials. About forty acres will be used for the accommodation of cement mills, baking kilns, concrete silos, storage plants and other facilities.

### A Georgia Bill for State Editing and Printing of All Public School Books.

Atlanta, July 13—[Special.]—The so-called Beck bill, recently introduced at the first biennial session of the Georgia Legislature, provides for the establishment of a state printing plant and the entrance of the state into the printing field. More directly, if the bill passes, it will mean the loss to printers of the state printing contract—always a coveted piece of work—and to stationers the loss of their school-book trade, since the main reason for the establishment of such a plant is said to be the printing of free school books for the children of the state.

The measure provides, first, that the state establish a state printing plant, either through construction or purchase, and appropriate \$200,000 for the purpose. Then, it provides for the creation of a state printing commission, consisting of the Governor, the Attorney General and three business men appointed by the Governor, whose duty it shall be to erect the plant and put it in shape for operation. The plant, when constructed, is to be used to print all the books, forms, blanks and so on needed by the state and all the textbooks needed by school children in the state public schools. It is the latter feature of the bill that the stationers and booksellers are chiefly opposed to.

Also, the bill authorizes the State Board of Education to make up a list of books for use in the public schools, having suitable textbooks written and copyrighted for it, if necessary, this list to be turned over to the state printer, who will print the books required. Thus, every school child in Georgia will have textbooks printed by the state free of cost to the pupils. Another provision orders the Board of Education to give preference to authors in Georgia, and the list, once made up, cannot be changed for a period of five years, and must be revised at the end of ten years.

### \$2,250,000 Office Building for Washington.

Washington, D. C.—Details are being arranged by the Washington Central Trust, Albert O. Hagar, president, for the erection of a \$2,250,000 building here at 15th street, New York avenue and G street, for which plans are being prepared by Coolidge, Shepley, Bulfinch & Abbott of Boston. The structure will be known as the Washington Building and work is expected to start within 30 days. It will be ten stories high, designed for offices, stores and banking quarters.



# A True Sketch of a Southern Cotton Mill Town.

By DAVID H. CLARKE, Lanett, Ala.

Cotton-manufacturing corporations in the South are wide awake concerning the general welfare of their employes. Characteristic Southern hospitality is extended voluntarily to every employe at all times in the form of highest possible wages and an environment tending toward increased personal pride and higher social aims. The dwelling houses, school and other buildings for use by the modern textile worker are of the best and kept in good condition by those in charge. The moral atmosphere of textile centers in the South is kept as pure as possible, and being, as it were, within a circle of their own, these communities are seldom contaminated with social disorders. Immorality, drunkenness and other forms of vice are a negligible factor, due mainly to proper encouragement of wholesome ideals.

As typical of other Southern cotton mills and mill towns, and in fact of the whole Southern cotton industry, let me cite as an illustration what has been accomplished at Lanett, Ala., by the West Point Manufacturing Company.

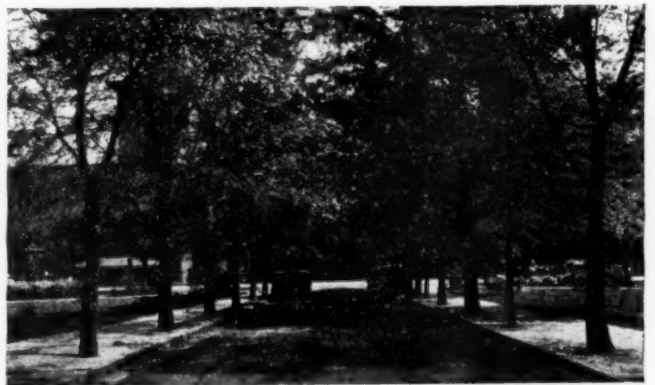
The Lanett Mill Division in Lanett is the largest unit in a chain of cotton mills owned and operated by the West Point Manufacturing Company of West Point, Ga. This modern plant covers several acres of floor space and consumes about 3000 bales of cotton each month in the manufacture of cotton fabrics. It gives employment to about 1400 people, who receive an average monthly payroll of approximately \$67,500.

The West Point Manufacturing Company is a resident corporation whose president, George H. Lanier, is a native Southerner and a former employe in the Lanett Mill. The manager of the Lanett Division is also a Southerner. In fact, all members of the management are natives of the section in which the Lanett Mill is located. This does not apply, however, to all stockholders, but is confined to those who are responsible for the welfare of the employes and their families.

Each of those in control was promoted from the ranks of workers, and according to this policy the future of the most apt among the employes is very bright indeed. It holds visions of a better position with increased pay. It stimulates

sense of labor troubles in this institution, and setting a precedent of industrial good-will the Lanett Mill has thereby proved to the reasonable satisfaction of everyone that there is no necessity for industrial unrest in the ranks of the workers.

Employes are provided with attractive houses, where the latest conveniences are at hand; large, roomy and electric lighted, with running water and toilet facilities in every home, costing \$1 per room monthly. The employes buy at cost from the mill their supplies of wood, coal and ice, which is delivered free to their homes. They have gardens, which



TYPE OF STREET IN LANETT.

are plowed free of charge, that furnish their tables with a variety of fresh vegetables in season.

Each employe is automatically insured against death or disability for a sum of \$500.

The Lanett management proceeds to its task of assisting its employes to the better things in life, conscious and awake to the fact that the best workers are those best satisfied with their work. It entails endless planning and constant vigilance to keep 7000 people who inhabit the town of Lanett,



THE BASEBALL TEAM.

and encourages every worker to do good work. The social relationship existing between those in control and the workers is far above the average in such cases. It is thus to be seen that there seldom arise important differences that cannot be adjusted immediately on the grounds of a common understanding. This accounts doubtless for the marked ab-



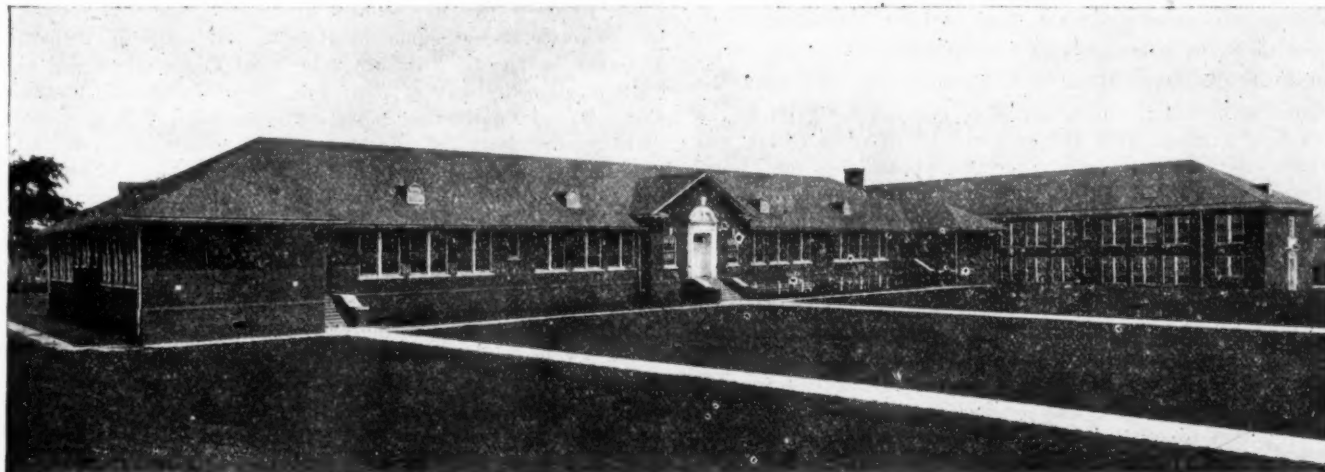
THE MILL BAND.

1400 of whom are mill employes, interested in their daily work as well as in themselves. Health and amusement must be at high water-mark constantly. In order to accomplish this, the mill management hires the services of both a doctor and nurse.

No pains were spared to inaugurate a system of wholesome

entertainment that would appeal to the higher sensibilities of the majority and at the same time furnish recreative sports and popular amusements. A baseball outfit fully equipped, including the usual enclosed grounds, which contain the grandstand, bleachers and bandstand, is one of the leading forms of sports for Saturday afternoons and holidays. Music is furnished by the Lanett Brass Band, consisting of

from every standpoint than the illiterate. However, it is distinctly understood that no strings are tied to anyone who attends the Lanett school, nor is textiles the main study in the high school. Lumbering, fisheries, gardening, commerce and sundry other courses are offered the scholars, and domestic science and art, studies of occupations and occupational studies are also taught. One of the outstanding features for



NEW AND ATTRACTIVE LANETT SCHOOL BUILDING.

26 pieces, six of which are played by as many young ladies in blue uniforms similar to those worn by the male members of the band.

A thoroughly modern recreation building is under construction and will cost, when completed, about \$60,000. In it will be a model motion-picture theater operated at cost and exhibiting the best high-grade pictures only. There will be a well-equipped athletic hall, Boy Scout rooms, a band room and dressing rooms. The building is located near the center of the town, and a children's playground occupies an adjoining square, making this section a popular resort for the children as well as for mill employes during the summer afternoons. After school the youngsters swarm into the playgrounds, where they spend hours in healthful exercises. If every child in America had similar opportunities to those in Lanett, the next generation or so would eclipse all records in mental and physical standards.

The Lanett school building covers 31,000 square feet of floor space, and it requires 37 teachers to take care of the 1500 scholars, who spend nine months each year in this well-equipped and thoroughly modern institution which carries through the twelfth grade. Every child of school age must finish at least the seventh grade. Graduates from Lanett High School are admitted to almost every college in the United States. In order to stimulate an interest in education the school books are furnished by the mill management free to every student up to and including the seventh grade. More pupils attend this mammoth free school now than were in attendance at every school throughout the county 30 years ago. Likewise, the capital investment represents more cash than was invested in like institutions at that time. The county officials appropriate only one-third of the money necessary for the nine-month term and the Lanett Mill furnishes the other two-thirds expense money. Besides this, the expense of a kindergarten, which employs three teachers, is paid in full by the mill.

The provision of these educational facilities might be construed by some people as being a move on the mill officials' part to train these children solely for duty in their plant later on. If that were a fact, it would not be without its good features, because educated operatives are more desirable

the future welfare of the community is founded upon the fact that evening classes are kept open free to the public. Thus people from elsewhere than the mill town may pursue any study of their choice.

Passengers by rail to and from New York and New Orleans midway between Atlanta and Montgomery may catch a passing glimpse, from the train window, of the Lanett Mill, situated near the western banks of the Chattahoochee River; but, unfortunately, their view of the beautiful town is cut off by the many large buildings composing the plant. Lanett's streets are well shaded, and several blocks are covered with parks, while playgrounds are located in different parts of the town. These spacious reservations are carpeted with grass through which run graveled walks. The flowering hedges surrounding the parks merge their wealth of beauty into the richness of a green background of majestic trees closely spaced along the streets. Nestled cozily between and under the overlapping branches are the picturesque homes of the workers, whose verandas are graced with various flowers and plants which add beauty and charm to the lives of contented families.

#### Kansas City to Erect \$250,000 Police Building.

Kansas City, Mo.—In a proposed bond plan for municipal improvements here the Kansas City Public Improvement Association has agreed to include \$250,000 for the erection of a new central police building to contain a municipal courtroom. Definite details have not been determined, but the plan as discussed is to locate the building near the center of the business district.

#### Amarillo Light Plant Sold for \$2,500,000.

Amarillo, Texas.—Negotiations have been completed by the Southwestern Public Service Co., Carl M. Einhart, president, Roswell, N. M., for the purchase of the City Light & Water Co. of Amarillo. The deal was made by a stock transfer from H. L. Doherty & Co. of New York, which has controlled the local company for a number of years. It is said to have involved \$2,500,000.



## CHANGING CONDITIONS IN THE LUMBER INDUSTRY.

### Chas. S. Keith, Leading Lumber Man, Emphasizes Need for New Merchandising Methods.

Conditions confronting the lumber industry are discussed in a comprehensive manner by Charles S. Keith, president of the Central Coal & Coke Co., Kansas City, Mo., in a recent letter to R. B. Allen, secretary-manager of the West Coast Lumbermen's Association. Mr. Keith points out that the volume of building, the consumptive demand for lumber, the export of lumber, with the exception of that to China and Japan; the return in dollars for the wheat crop, the expenditures for railroad betterments and improvements and the carloadings for 1925 will surpass by a wide margin the 1924 figures.

Because lumber production was not stimulated by the war as was production in many other lines, Mr. Keith declares the industry is today in a stronger position than any of the other large industries, and the difficulty does not lie in that too much lumber is being produced so far as consumptive demand is concerned, but in the fact that the whole industry has released to consumption stocks which were built up in anticipation of delays in transportation, and these stocks have been going through the process of liquidation. The strong factor of the situation is, notwithstanding this heavy liquidation, in 1923, 1924 and 1925 production of the mills, as well as the liquidated stocks, have gone into consumption.

That stocks in the retail lumber yards are badly depleted is evident from a careful survey, says Mr. Keith, and dealers are asking for car numbers in two or three days after placing orders. Thus, with any expansion in time of delivery, either in railroad service or because of broken stocks rendering impossible shipments, the dealer would be unable to get his deliveries, and the immediate result would be an enormous increase in volume of business placed in the form of straight cars instead of mixed ones. It is pointed out that since 1914 nineteen mills with a daily capacity of 2,500,000 feet in southeast Texas and southwest Louisiana have stopped production, or the equivalent of 700,000,000 feet annually, and the list will be added to enormously during the present twelve months. Offsetting this decrease is the great expansion of small-mill production in the South during the past three or four years. But this latter production is adjusted, depending upon the market value of the product. The recent adoption of grade marking by the Southern Pine Association will possibly result in a differential in values in favor of grade and trade-marked lumber.

While it is usual to think of production of lumber in terms of mill production, as a matter of fact, so far as the consumer is concerned, the production of lumber does not cease until the lumber is delivered by the distributor to the job. In the last two years there has been a decided change in the economics of the industry, due principally to the reduction in time of lumber shipments from point of origin to point of destination. Where it took 90 days for a carload of lumber shipped from Texas in 1922 to reach Chicago, it now requires seven days. Thus, if the dealer can get shipments forwarded to him in 11 to 21 days, the question is asked, Why should he anticipate his requirements four to six months? And if he did so, the only reason would be the inducement of speculative prices.

"It is in the interest of the manufacturer and the public, so long as the buyer will not provide facilities and stock the lumber at reasonable values, that the manufacturer should provide the facilities to stock the lumber, or he must adjust his production to consumption during this period, which means later in the year a possibility of supply being less than demand, which would mean higher cost of the product to the

public without any justifying results to the manufacturer, as the cost of producing on the adjusted basis would be greater than the normal production throughout the year," declares Mr. Keith. "This further means that the manufacturer will have to cease the practice of loading cars and cargoes of lumber and shipping them on consignment for sale in transit to markets which are already saturated and congested, and ship their lumber as sold, instead of selling after shipping."

Mr. Keith states that jobbers are routing cars the longest way possible to get sufficient time to sell while in transit, and that he has been informed of West Coast shipments to Chicago going by way of California, New Mexico and Texas. England and Continental buyers who formerly had to anticipate requirements six months to a year in advance now find no difficulty in getting materials in half that time. If present practice continues, it can only result in a loss to manufacturers, ultimately ending in bankruptcy and a stoppage of production, warns Mr. Keith.

In the markets which the West Coast enjoys disposal of the product has been conducted without profit to the manufacturer because of crowding production on the market which could not be absorbed. "My own opinion is that the shipment and sales of lumber should be segregated," says Mr. Keith. "It would be better to let economic conditions develop such shipping as needed, placing the burden of providing cargoes upon the owners of shipping and consumers of the product, rather than upon the manufacturers of lumber."

"We of the West Coast must do one of two things: We must change our methods of merchandising, which, if we cannot do as individuals, will have to be done through strong consolidations, or the industry must go into bankruptcy, which will result in the same thing in the end, i. e., reorganization and consolidation and putting the industry on a profitable merchandising basis."

"So, summing up what I have in mind, the year 1925 shows demand for the product in excess of any previous year, and such a demand should make a profitable industry; but if the industry cannot thrive on such demand, when demand becomes normal, i. e., to the basis of the amount of building required annually to meet normal increase in population and replacement of buildings destroyed or burned, what is going to happen? It seems to me that it is time for lumbermen to take a careful inventory of their situation and determine whether they want to go into the hands of receivers or individually apply the corrective methods regardless of what their competitors do. It is unlawful for any combination to restrain trade, but it is not unlawful to gather and disseminate figures showing the actual situation and then apply those figures to the individual operation without agreement with competitors. If it is true that stocks have been liquidated, that demand for consumption is as great as we believe it to be, if mill stocks are being badly broken as well as reduced, it is clearly evident that the present situation will shortly change, and values will increase. Notwithstanding present statistical indications are favorable to more prosperous business, such a change will not be permanent unless and until we recognize that present economic conditions have come to stay and that we will be required to meet them by new methods of merchandising through proper preparation of our product for the market, through carrying ample and assorted stocks to ship from, and selling our product before shipping, and not afterwards."

### Greenville to Sell \$500,000 of Water Bonds.

Greenville, S. C.—At its meeting August 11 the Greenville City Council plans to sell \$500,000 of bonds for water-works extension, a part of a \$2,000,000 issue authorized for this purpose. This is the second lot to be offered, the first having been sold several weeks ago. The bonds will mature in 40 years and will bear an interest rate of 4½ or 5 per cent.

## Advocates Barge System from Minneapolis to New Orleans for Through Freights to Europe.

In an address before the North Side Commercial Club, Minneapolis, Minn., A. L. Crocker, Minneapolis Navigation Commissioner lately advocated fulfilment of his plan so to improve navigation conditions of the upper Mississippi River that barges can be loaded with freight at Minneapolis to be transported down the river all the way to New Orleans, where the cargoes can be transferred by means of floating elevators from the barges to the holds of ocean steamers for shipment to Liverpool and other foreign ports.

This improvement plan, which was also discussed by F. M. Henry, civil engineer and vice-president of the Mississippi River Terminal Association, and others, provides for the construction at St. Anthony Falls of a concrete canal 3900 feet long and 90 feet wide, with two locks for passing barges around the falls, one lock to have a lift of 39 feet and the other a lift of 36 feet. This would cost, it is estimated, about \$4,000,000 and would enable the fullest use of 24 miles of waterfront on the river for industrial and other purposes. The barge system would also touch at all important points down the river, carrying freight in either direction as desired. It would also, it is claimed, result in the transportation via Minneapolis of Canadian wheat which is now sent by rail to Lake Huron, and also Minnesota iron ore that is now handled at the head of the Great Lakes.

Furthermore, it is stated that the barge system would accomplish a reduction of \$2 per ton in the price of West Virginia coal, of which Minneapolis now consumes 2,000,000 tons a year, and that would mean a saving of \$4,000,000 gross. The beneficent effect of the lower freight rates made possible by the through barging system would also be felt throughout other classes of freight. The club unanimously approved the plan and a committee was appointed to work with the Mississippi River Terminal Association in behalf of the plan.

## Manganese Production Increases in 1924.

Shipments of high-grade manganese ore, containing 35 per cent or more of manganese, in 1924 amounted to 56,515 gross tons, as compared with 31,500 tons in 1923, an increase of 79 per cent, reports the Bureau of Mines. This large increase is due mainly to increased shipments from Montana, which again produced considerably more high-grade manganese ore than all the other states together, and to the shipments of ore from Washington, the first large shipments from that state. The ore from Washington contained an average of 52.88 per cent of manganese and was used in the production of ferro-manganese. By far the larger part of the ore from Montana in 1924 was chemical ore from Philipsburg. Less than 45 per cent of the high-grade shipments of the entire country in 1924, however, was ore suitable for chemical uses, whereas in 1923 nearly 65 per cent of the total was chemical ore. This does not mean that the shipments of chemical ore have decreased, for indeed they have increased, but that the shipments of ore for other uses have increased in larger proportion.

The tariff on manganese continues to encourage new operators to become producers of manganese, and a large number of new producers were active in 1924. However, the number of shippers who contributed only one or two carloads to the total is surprisingly large. This condition is exemplified in Georgia, where there were eight shippers of high-grade ore in 1924 who made total shipments of only 1093 gross tons, an average of less than 140 tons for each operator. Approximately 425,000 gross tons of manganese ore were imported in 1922, 419,000 tons in 1923 and 505,000 tons in 1924.

The shipments of domestic ore containing 10 to 35 per cent

of manganese decreased to 286,470 gross tons, valued at \$929,390, in 1924, from 319,666 tons, valued at \$1,158,628, in 1923. Shipments of ore containing 5 to 10 per cent of manganese decreased to 587,026 gross tons, valued at \$1,713,943, in 1924, from 1,072,457 tons, valued at \$3,598,327, in 1923. The large decrease in shipments of ore of this grade is in part due to classification once more as iron ore of the ore from the Tilden mine of the Oliver Iron Mining Co. In just one year—1923—the ore from this mine contained sufficient manganese to justify its classification as a manganiferous iron ore instead of as an iron ore. On the other hand, the Ottawa mine of the Montreal Mining Co. again in 1924 shipped ore which had a manganese content sufficiently high to cause it to be included with the ore containing 5 to 10 per cent of manganese.

## The Bat as a Mosquito Destroyer.

Dr. Chas. A. R. Campbell of San Antonio, Texas, has perfected methods for the eradication of malaria through the destruction by the bat of the disease-carrying mosquito. In order to get bats in numbers sufficient to clear a region of mosquitoes, Dr. Campbell has designed bat roosts which he claims have been put into successful operation wherever built. They have been tested in several places in Texas and in Italy.

Dr. Campbell states that the mosquito is unquestionably the greatest enemy of mankind, but that the bat is one of man's best friends, because it so relentlessly destroys the malarial mosquito, as that insect is its natural and principal food. Under his plan he claims to build homes for bats in a scientific manner to meet the requirements of their most singular habits, a home which they will inhabit, and, being protected from their enemies, will increase in countless numbers and eradicate the malaria in the vicinities in which the roosts are erected. Each bat roost, he says, is in itself a little gold mine, in addition to its great hygienic value, on account of the money which may be obtained from the sale of the high-grade fertilizer, the guano, it will constantly produce.

As a result of his years of study of the habits of the bat, Dr. Campbell has compiled and recently published a book on the subject of bats and their value in mosquito-eradication work.

It has been suggested that if bat roosts were strung along the Gulf Coast and Atlantic seaboard at intervals of 20 or 30 miles apart, they should give the required relief from the mosquito pest and such other insect pests as the voracious bats feed upon. These bat roosts, so Dr. Campbell claims, are self-sustaining. They will produce, if wholly occupied by thousands of bats, about two tons of bat guano a year, which is said to be worth as fertilizer about \$200 a ton. If they were constructed of fireproof, high-class material, they would be practically everlasting; and provided they are as efficient as Dr. Campbell's tests are said to have proven, the cost of the installation of such a protective system would be triflingly small compared to the great good they would accomplish in stamping out disease.

## Texas Oil for Locomotive Fuel.

Amarillo, Texas, July 18—[Special.]—All of the engines operating upon the lines of the Atchison, Topeka & Santa Fe Railway in the Panhandle of Texas will be furnished with fuel oil by the Amarillo Refining Company, which owns a refinery here. Dorset Carter and Reese S. Allen, owners of the Amarillo Refining Company, have entered into a contract with the Atchison for the sale of 60,000 barrels of fuel oil per month. The refinery is to be enlarged to a daily capacity of 7500 barrels, an increase of 5000 barrels. The plant is connected with the oil field by a 37-mile pipe line.



## IN SUCH LIVES IS THE HOPE OF THE WORLD.

### A Tribute to the Late Julius Kruttschnitt.

By E. S. GLASCOCK, Washington.

In 1878 Julius Kruttschnitt left McDonogh School, near Baltimore, and accepted a position with Morgan's Louisiana & Texas Railway & Steamship Co. He reported for duty at New Orleans and was put in charge of a small surveying party. The work to be done was distant from the city in a sparsely inhabited district hardly more than a swampy wilderness.

The party had been at work but a short while when one of the chainmen was brought down with yellow fever. Every man in Kruttschnitt's squad fled for his life.

Think for a moment of the situation in which Kruttschnitt found himself. Young—he was in his early twenties—brilliant, conscious of his powers and of his worth to the world, with ten years of arduous preparation behind him and seething with the confident ambition of strong, capable youth, must he throw all this in the scale to ease the suffering and tend the wants of a man who in all human probability must die and who could be fully replaced by any one of thousands of his kind? The cold light of analytical reason finds but little excuse for the course he took. But, thank God! the cold light of analytical reason is not the only light to guide us, and the light that shone in Kruttschnitt's soul was a far brighter and purer one.

He stayed with his man. To obtain necessities he erected a board over a rising bit of ground some distance from his camp and wrote on it what he needed from day to day. Having attracted attention to it, he was furnished with whatever could be obtained. The supplies were placed on the hill and he brought them in. Weeks of this, alone with a delirious and dying man, and facing a loathsome death with a rotting corpse beside him!

The man died. Yet Kruttschnitt thought his duty not completed. He made his requisition on the board, now warped and weather-beaten by rain and sun, for a coffin, a Bible and a spade.

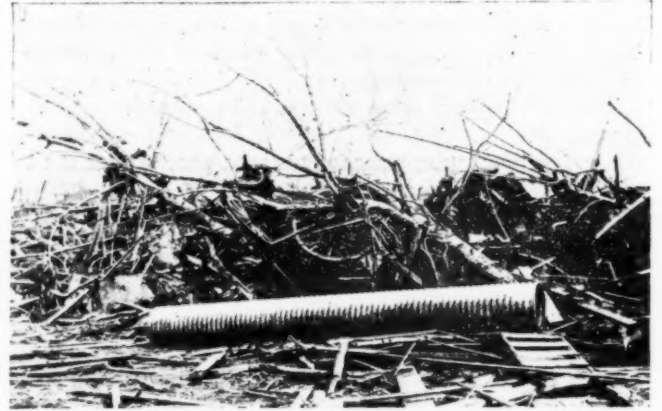
Alone he dug the grave; he placed the body, exhaling the horrible contagious disease from every pore, in the coffin, and lowered it to its last resting place. He read the funeral service over the grave and filled it. Then, no jot or tittle left for him to do, he went home and to bed with yellow fever.

Julius Kruttschnitt did much that was of great material service to the world. That of which we have spoken was of practically none—water for one parched mouth that otherwise had none, a comforting sense to one poor, ignorant, dying soul that he should not die alone, and a decent respect shown to his remains.

Yet in the fact that man is capable of such things lies the hope of the world.

### Armco Culvert Unscratched by Tornado.

The tornado which devastated the Central states last March played havoc with many structures, large and small in its path. Homes were destroyed, railroad tracks torn up, bridges and other massive structures moved from their bearings, and heavy portable equipment was disjointed and scattered to the four winds. Some structures fared better than



HOW A CULVERT WITHSTOOD A TORNADO.

others, the degree of immunity depending not only on the sturdiness of construction but on the ability of the structure to absorb shock without permanent distortion.

In a pictured view in the path of the storm in Indiana may be identified uprooted trees and portions of houses, farm wagons and machinery. The Armco culvert seen in the foreground had been carried some distance before it came to a sudden stop at this point. It is probably the only thing in sight which was uninjured by its experience. It has since been reinstalled in its former position.

### West Palm Beach to Vote on \$2,000,000.

West Palm Beach, Fla.—An election will be held here on July 29 to determine whether the city of West Palm Beach shall issue bonds, not exceeding \$2,000,000, for improvements. Various purposes for which the bonds are intended and the amount required for each are as follows: Acquiring, extending and improving small parks, \$18,500; park near Lake avenue, \$45,000; improve Lincoln Park, \$20,000; construct and improve athletic fields, \$65,000; recreation park, \$35,000; playgrounds, \$100,000; purchasing and installing playground equipment, \$30,000, and extending present City Park, \$275,000.

Sprinkler system for parks, \$35,000; municipal casino, \$11,500; police alarm system, \$90,000; signal system for police department, \$35,000; fire apparatus, \$50,000; central fire and police station, \$175,000; municipal garage, \$35,000; trucks, rollers and other equipment for public works department, \$60,000; incinerators, \$80,000; street signs, \$25,000; sidewalks, \$120,000; improvement of streets, sidewalks and sewers, \$100,000; seawall, \$220,000; sewers and water systems, \$50,000; purchase land for streets, \$100,000, and for fire hydrants and water supply on certain streets, \$225,000.

### New \$800,000 Hotel for Lakeland.

Lakeland, Fla.—Contract has recently been awarded to the Lovering-Longbotham Company of St. Paul and St. Petersburg by Henry Conrad for the erection of a new hotel here to cost more than \$800,000. The structure will be eight stories and is expected to be ready for opening January 1, 1926. It will be owned and operated by local interests. Round & Avery of St. Paul and St. Petersburg are the architects. Caldwell & Co., Nashville, Tenn., will underwrite a bond issue of \$475,000 on the property.

## NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

### God's Solution of War Against the Solution of War by Man's Wisdom as Seen by an Aged Texas Minister.

W. A. JARREL, D. D., LL. D., Dallas, Tex.

(Man's wisdom is so universally proclaimed as the solution of war that the writer suggests that both the religious and the secular press, by republishing this article, for once, may let God be heard.)

Notwithstanding that the war question wholly depends on what GOD says, to think of any matter in which He is so universally ignored—even generally, in the pulpit, as much as by the politician—would be an impossible task. Even the "Bok prize war essay" is upon this atheistic. For this reason the writer, in the interest of Christianity, of the family and of nations, with all else involved, begs his readers to turn a deaf ear to the word of man on war and the open ear to the Word of God. Only human depravity can account for man not asking whether God has solved the war question and turning the ear to Him, as He speaks in His blessed Word, for that solution. The writer makes many quotations from the Word of God in this article, because numerousness is the more impressive. Yet, although numerous, they are comparatively few of what the Holy Scriptures contain on war. They are so obviously plain that, in quoting them, the writer does not stop to comment.

I. God the Sovereign of All Nations of All Ages.—"The Lord is King forever." "Thou art my King, O God." "God is the King of all the earth." "Behold, the Lord God shall come with strong hand, and His arm shall rule for Him." "For the Lord is our judge; the Lord is our lawgiver; the Lord is our King; He will save us." "As I live, saith the Lord God, surely with a mighty hand \* \* \* will I rule over you." "The Lord hath prepared His throne in the heavens and His kingdom ruleth over all." "O Lord of hosts, God of Israel, Thou art the God, even Thou alone, of all the kingdoms of the earth; Thou hast made heaven and earth."—Ps. 5:2; 10:16; 44:14; 47:7; Isa. 40:10; 14:6; 33:22; Ezek. 20:33; Psa. 103:19; Isa. 37:16.

For, ignoring the great and essential truth of the sovereignty of God over the nations, representing the Bible, are the words expressing God's judicial punishment on Nebuchadnezzar—the thing now done by all the nations of the earth—"He was driven from the sons of men; and his heart was made like the beasts and his dwelling place with the wild asses; they fed him with grass like oxen; and his body was wet with the dew of heaven, till he knew that the Most High God ruled in the kingdom of men and that He appointed over it whomsoever He will." A lesson that the nations of earth now sorely need to heed. Instead of heeding this lesson, the nations towards their Sovereign are like some little sub-ruler who ignores his sovereign. See Daniel 5:18-23.

II. All Nations Strictly, Nationally, Accountable to God as Their God, Sovereign and Supreme Judge.—This proposition being on the face of proposition I and the other propositions in this article, for its proof the reader is referred to them.

III. Wars All Inflicted on the Nations for Their Sin—For Their Wickedness in Ignoring Him—and His Law—as Their Supreme Sovereign and as Their God.—God judicially inflicts war on the nations. Of the ancient Jews, God said: "They have belied the Lord, and said, it is not He, neither shall evil

come upon us, neither shall we see the sword nor famine \* \* \* shall I not visit for these things? said the Lord, and shall not my soul be avenged on such a nation \* \* \* Lo I will bring a nation upon you from far, O house of Israel, said the Lord"—Read the whole of Jer. 5, especially verses 12, 9, 15, and also Chap. 50. "Ye have multiplied your slain in this city, and ye have filled the streets thereof with the slain. \* \* \* Ye have feared the sword; and I will bring the sword upon you, saith the Lord. \* \* \* Ye shall fall by the sword; I will judge you."—Ezek. 11:6, 8, 10. "Thus saith the Lord God \* \* \* I will leave few of them from the sword."—Ezek. 12:10, 16. "Thus saith the Lord God, as I live, surely mine oath that he hath despised, and my covenant that he hath broken, even it will I recompense upon his head, \* \* \* and I will bring him to Babylon, and will plead with him there for the trespass that he hath trespassed against me. And all his fugitives with all his bands shall fall by the sword, and they that remain shall be scattered towards all winds; and they shall know that I the Lord have spoken it."—Ezek. 17:19-21. "For thus saith the Lord God, Behold I will deliver thee into the hand of those whom thou hatest. \* \* \* I will do these things unto thee because thou hast gone a whoring after the heathen, and because thou art polluted with their idols."—Ezek. 23:28-38, 43-49. God inflicts war judicially on other nations besides Jews—on all nations. "Behold I am against thee, O Tyrus, and will cause many nations to come up against thee. \* \* \* I will bring upon Tyrus Nebuchadnezzar \* \* \* and he shall slay with the sword."—Ezek. 26:1-21; 27:1-36; 30 chap. Notice in verse 24 that God mentions war as "my sword." In Ezek. 32:10, 11 He calls the sword of the king of Babylon "my sword," saying, "I will brandish my sword." Prayerfully study Jer. 50th chap. Also Isa. 5:13, 24-30; 8:7; 8:9-21; Ezek. 30:19-26; 31:11-12; 32; 36:18, 19; 38:1-5, 14-17, 21-23. Such Scriptures are too numerous to ask this paper to reproduce them all—they are too numerous even to refer to. In the books of Jeremiah, Isaiah and Ezekiel they are especially numerous. So, beyond room for doubt, is war God's judicial infliction of nations, of heathen, by war on Israel, that God said, "I will make myself known among them when I have judged thee."—Ezek. 35:11. For even heathen learning that war is God's judicial infliction on nations, among other Scriptures, see, also, Ezek. 38:23; 30; 25:11. What of present-day preachers—saying nothing of politicians—who have not learned as much as did these ancient heathen!

In express words, using the word "judgment," "judge," God tells us that wars are God's judgment on nations for their wickedness—rebellion against Him as their Supreme national Sovereign. Of war, God says: "The sword is drawn for the slaughter. \* \* \* I will judge thee."—Ezek. 28:32. "I will prepare thee unto blood, and blood shall pursue thee, \* \* \* I will make myself known \* \* \* when I have judged thee."—Ezek. 35:6-15. "I scattered them among the heathen \* \* \* I judged them."—Ezek. 36:19. "My sword shall be bathed in heaven: Behold it shall come upon Idumea, and upon the people of my curse, to judgment."—Isa. 34:5. "For lo, I raise up the Chaldeans"—vs. the Jews—"that bitter and hasty nation. \* \* \* O Lord, thou hast ordained them for judgment."—Hab. 1:6, 12. "To me belongeth vengeance and recompense \* \* \* for the Lord shall judge his people."—Deut. 32:35-36. "I will bring a sword upon you, saith the Lord God. I will bring you out of the midst thereof and deliver you



into the hand of strangers, and will execute judgment among you."—Ezek. 11:8-9, 10, 12. "I will make Pathros desolate, and will set fire in Zoan and will execute judgment in No."—Ezek. 30:13-19. "I will execute judgments upon Moab, and they shall know that I am the Lord."—Ezek. 25:11-17. These nations were doing what the United States and all other nations now do—ignoring God as the Sovereign. Why, even the great international council, devising the "League of Nations," in response to the request that was made on it, to open its sessions by prayer, treated the Sovereign with such indifference—shall I say contempt—that it refused, under the God-ignoring excuse that it had not the time for prayer! Yet, instead of teaching that ignoring of the Sovereign of nations is the sum of all individual and national wickedness and calling for repentance as the only way to peace, preachers look to "League of Nations" and other schemes of God-ignoring human wisdom for international and national peace!

IV. God Only Prevents War and Gives National and International Peace.—Although this proposition is impliedly established in the foregoing propositions, from the many Holy Scriptures affirming this proposition are the following: "If ye walk in my statutes and keep my commandments and do them . . . I will give you peace in the land and ye shall lie down and none shall make you afraid."—Lev. 26:3, 6. "The word of the Lord came to me. . . . I will give peace and quiet in his days unto Israel."—I Chron. 22:8, 9. "The Lord will bless His people with peace."—Psa. 28:11. "The Lord . . . maketh peace in thy borders."—Psa. 147:12, 14. "Lord thou wilt ordain peace for us."—Isa. 26:12. "And in this place will I give peace, saith the Lord of hosts."—Hag. 2:9. "Seek the peace . . . pray the Lord for it; for in the peace thereof shall ye have peace."—Jer. 29:7. "The Lord your God-giveth you . . . rest from all your enemies round about, so that ye dwell in safety."—Deut. 12:10. "The Lord had given rest unto Israel from all their enemies round about."—Josh. 23:1. "The Lord had given the king rest round about from all his enemies."—II Sam. 7:1; I Kings 5:4; 8:56; II Chron. 14:6-7. In this last reference we read, as explanation of this peace of the Lord, "Because we have sought the Lord our God . . . He hath given us rest on every side. So they built and prospered." But in Neh. 9:28 we read: "But after they had rest, they did evil again before thee, therefore thou lettest in the hand of their enemies, so that they had dominion over them: yet when they returned unto thee thou heardest them . . . and didst deliver them."

V. Under the New Testament the Great National Sovereign, God and National Judge, Judicially Inflicts War on the Nations for Their Wickedness, Just as He Did Under the Old Testament.—Referring to God's judgment on the Jews, God says: "Now all these things happened unto them for ensamples, and they are written for our admonition.—Cor. 10:8, 11. Jesus says: "Think not that I came to destroy the law, or the prophets: I am not come to destroy but to fulfill."—Matt. 5:17. Through Paul, God says that instead of the New Testament making "void the law," it "establishes the law."—Rom. 4:30. In Rev. 6:4 we read: It "was given to him to take away peace from the earth, and that they should kill one another: and there was given unto him a great sword." "And great Babylon came in remembrance before God, to give unto her the cup of the fierceness of His wrath." "She shall be utterly burned with fire."—Rev. 16:1-7, 19.

Just as under the Old Testament, in so many words the New Testament tells us that war and other national inflictions are God's judicial judgments. "She shall be burned with fire, for strong is the Lord God who judgeth her."—Rev. 18:8. "And I saw heaven opened, and behold a white horse; and he that sat upon him was called Faithful and True, and in righteousness he doth judge and make war . . . and out of his mouth goeth a sharp sword, that with

it he should smite the nations and he shall rule them with a rod of iron; and he treadeth the wine press of the fierceness of the wrath of Almighty God. And on his vesture and on his thigh a name written, King of Kings and Lord of Lords."—Rev. 19:11-21. Do not overlook that this "King of Kings" "doth judge" (v. 11) and that in judging the nations by war judges them "in righteousness"—the reiteration and repetition of God's judicial infliction on the nations in the Old Testament age for their wicked rejection of His national and international sovereignty, in all their wickedness of every kind. The nations of the earth are now under this judgment, just as were the nations in the Old Testament age.

VI. The Holy Scriptures, Proving the Foregoing Five Propositions, Leave No Room to Doubt That Without Repentance Towards the Sovereign, God and Judge of All Nations, There Can Be No Real and Permanent National and International Peace.—The thousands of years' national and international history, with its countless and disappointing peace schemes, backs up this proposition so certainly that all ought to see the folly of human wisdom in its peace schemes ignoring the great national and international Sovereign, God and Judge. If the time and the effort spent with these foolish peace schemes were in the right spirit, spent in getting the nations onto their knees in repentance before God, then we could wisely and righteously look for true and abiding peace. But God plainly tells us that blessed time is to come only with the blessed Return of our blessed Savior.—Isa. 2:2-4. Well did a great poet write:

"What glory gilds the sacred page,  
Majestic like the sun;  
It gives its light to every age;  
It gives, but borrows none."

Every peace scheme of man's wisdom is but an effort to thwart God's judicial judgment on the nations, and, thus, an increase of national wickedness.

Do not overlook that nations, just as individuals, can get right with their Great Sovereign only by observing the words of Jesus: "I am the way, the truth and the life: no man cometh to the Father but by me."—Compare Isa. 53:4-6, 10; John 14:6.

## Cities Must Plan for Future.

LYMAN ARMES, Houston, Tex.

For the substance and the spirit of your monumental "Southern Number" and the leading editorial, "A Great Southward Movement Started," in the June 11 issue, many of your readers are most grateful.

In addition to having great resources, having great faith in them, and letting the world know about it, one great asset for all Southern cities that expect to grow will arise from adequate preparation for the intelligent planning and guidance of that growth as it develops. There are still states where lack of proper legislation prevents progressive cities from enacting city zoning and planning ordinances. Boston has spent \$20,000,000 in recent years cutting through new streets and widening others. When the "great southward movement" reaches its height, there should be no excuse for newer and smaller cities of the South and Southwest stumbling along under the blind Eighteenth Century conditions of growth and prosperity which built Boston.

One thing we must have along with industrial and commercial development—attractive residential areas, intelligently planned to meet modern needs. Houston has no zoning plan at present, but we have one restricted residential park-area of more than 1000 acres within three miles of midtown and another eight miles out.

The whole South needs more broad civic foresight, intelligent planning and co-operation between independent real estate developers.

## THE IRON AND STEEL SITUATION

### Very Little Change in Steel Situation.

Pittsburgh, July 20.—[Special.]—While the steel market has appeared lately to be on the verge of an improvement, after the shaking out that followed the post-election bulge, it has not made distinct progress in that direction in the past week. On the whole it seems there has been a little less buying thus far in July than in the same period in June. There certainly has not been much decrease, and as the trade is in the habit of expecting July to be a dull month the situation is viewed with equanimity.

At some points there has been improvement. The American Sheet & Tin Plate Co. reports the largest week's bookings in sheets in five months. There has been a little increase in buying of nails by jobbers, indicating not a wider distribution but further progress in liquidation of stocks. It is only in nails that there seem to be any stocks at all of steel in buyers' hands. In general the stocks are far below the average. Stocks do not particularly need replenishing, as the mills can make very prompt shipment on new orders. Should steel prices show a stiffening tendency there would doubtless be some stocking up in a mild way.

Steel mill operations since the first of the month have averaged about 65 per cent of capacity. This is somewhat better than was being expected a couple months ago and compares with a 71 per cent rate in June and a 41 per cent rate in July of last year, the low month of the year.

The total volume of steel buying since May 1 has not at any time run above an amount equal to 50 per cent of the productive capacity, and mill operations at 71 per cent in June and 65 per cent this month represent the current buying plus shipments on old orders, which are gradually playing out, so that a definite and decided increase in buying will be necessary to prevent mill operations going to a lower rate next month. Such an increase is fully expected very shortly. A continuance of the rate of steel consumption that obtained during the first half of the year would require considerable increase in production, and consumption has such momentum that no large decrease is to be expected. The railroads are the only steel-consuming line presenting definite prospects of a decrease. The railroads have been buying very few cars for four months and very few locomotives for a longer period, while lately their bridge and other structural-steel buying has been light. Some roads have even curtailed shipments of rails on contract. On the other hand, some inquiries for rails for next year have just come out.

Fabricated steel bookings reported last week totaled 22,000 the two lightest lines being the wire and plate mills. were poor, but the average in eight weeks is 32,500 tons weekly, showing a trifling increase over the first 20 weeks of the year, which averaged 31,800 tons weekly.

The automobile industry reached a record high rate of production, by a wide margin, in April and tapered off only a trifle in May and June. The present rate is estimated at 10 to 15 per cent under the early June rate. The industry continues a heavy buyer of steel for short delivery periods, and in the past week has succeeded in getting merchant bars at 1.90 cents, with the general market at 2 cents, but offering large orders.

The oil industry continues to be a heavy buyer of well material, casing, tubing, drill pipe, etc., while merchant pipe buying by jobbers generally is quite fair. The three most active finishing branches of the steel trade are the pipe, rail and tinplate mills, which are operating at about 80 per cent, tons, against 12,500 tons the preceding week. Both weeks Connellsville coke continues very dull and with no visible

prospect of improvement in the near future, but with practically no possibility of its getting any worse. The only news of the week is that the large accumulation of coke on track of two months ago has now been entirely liquidated. Production is at a very low rate and is closely adjusted to contract requirements.

Pig iron is very dull but is reasonably steady in price, the market being quotable at \$19 for Bessemer, \$18 for basic and \$18.50 for foundry f. o. b. valley furnaces.

Heavy melting steel scrap remains at \$17.50 to \$18, delivered Pittsburgh district. There has been no consumer buying in the past 10 days, but there is no pressure on the market, and dealers are paying for small lots prices only a trifle under prices in their short contracts.

### Iron Sales Continue to Exceed Production.

Birmingham, Ala., July 20.—[Special.]—Sales of pig iron in the Birmingham district are still in excess of the production. Including the melt and shipment on old contracts, much iron is moving. This condition promises to continue for at least another month, which will mean steady reduction of surplus stock. Two of the active furnace companies of this section again announce they have worked down their stock on hand considerably, and the larger company is confident that through the remainder of the year there will be much iron required from the accumulated stock to meet the needs. The quotations are rather weak. Eighteen dollars per ton, No. 2 foundry, is being reported right along with stated prices 50 cents higher. Inquiries are still carrying requests for concessions on the \$18 per ton basis. One or two round tonnages were sold during the month so far and negotiations are on for a few other sales above the 5000-ton mark. The Woodward Iron Company is pushing the work of relining and otherwise repairing of one of its Woodward furnaces. The Central Iron & Coal Co. will blow out its furnace at Holt this week for repairs. Arrangements have been made for all the pig iron that will be needed at its pipe shops. Other blast furnaces of this district are to undergo repairing shortly. A well-defined prediction is made here that by September 15 a general change for the better will be noted in the pig iron market, that consumers not doing much now will be busy and the concerns which are operating plants to near capacity will be called upon to produce steadily.

Some little improvement is noted this week in the cast-iron soil pipe and fittings trade and a few shops which have been idle are preparing for steady production. It is not to be denied that there is some soil pipe and fittings in stock. The contrary is to be said of the cast-iron pressure-pipe trade. Plants on this product are operating to near capacity and there is steady shipment, this traffic being among the most lucrative the railroads have been receiving here. Much iron is being required by the pressure-pipe plants, no little amount having lasted through the first half of the year on purchases made before the first quarter was over. Some little buying has been done by the pressure-pipe makers, but not nearly sufficient for the needs of the year. Foundries and machine shops are also feeling a slight impetus in their trade, not sufficient, however, for any active buying of iron.

Consensus of opinion in this district is that the pig iron market will continue about as present, buying in small lots with an occasional tonnage of 5000 tons, until the first week in September, when inquiries will have taken on proportions. Pig iron at a week base of \$18 is looked upon as not stable.

The activity at the steel mills of the district continues, the Steel Corporation plants, the steel fabricating plants and one



or two others operating almost to capacity. Three of the open-hearth furnaces of the Gulf States Steel Company, independent steel company, with the greater portion of the finishing mills of this concern, are in operation. On the whole the steel situation of the district appears to be in very good shape, with prospects of new business coming in. Shipments during the first two weeks of this month for export and distribution through the ports of Mobile and New Orleans, the steel being shipped down the Warrior River from here, will be more than repeated during the first half of August. The announcement that 6675 tons of rail for export is being moved down the river and that 1687 tons of steel cotton ties manufactured in Atlanta and handled through Birmingham on the river will be distributed from Mobile and New Orleans, together with 2500 tons of pig iron to be shipped through Mobile to the Pacific Coast, are some of the bookings for the next few weeks. The indications are that the Birmingham district will be the exporting center of the Steel Corporation. There is reiteration of the report that the Corporation will establish a big warehouse at Mobile, from which there will be active distribution of various products manufactured here and elsewhere by the big steel concern. Additional barges for the Warrior River service are being built and other plans are well in hand for furthering the water hauling business.

Presence in Birmingham again of Judge E. H. Gary, chairman of the board and finance committee of the United States Steel Corporation, has given impetus to much talk and discussion as to probable results. Judge Gary stated that he returns to the district for the purpose of continuing his observation on diet at the Tennessee Coal, Iron & Railroad Co. Hospital and also to inspect plants and works of the Tennessee Company. He said that his stay would be for one week and that he would have some work to do here at this time.

The coal trade is showing a little improvement in Alabama, which, though slight, is encouraging. Producers feel confident the improvement will be steady through the remainder of the year. It is expected that if the strike is called in the anthracite district on September 1 it will not be long before some benefits will be felt in the bituminous regions.

The coke trade is holding up fairly well, though independent producers declare that it is a constant effort to distribute the entire output. The iron and steel companies are requiring their full output of coke.

The scrap iron and steel trade is quiet, with quotations weak, though no change is stated for the week. Heavy melting steel is given at \$13, but consumers are asking concessions. A little old material is moving, old contracts in the main still being worked on. The little business being done is in car lots.

The new sheet mill of the Tennessee Coal, Iron & Railroad Co. will be tried out the latter part of the month, also the first unit of the plant of the Reeves Bros., Inc., tank and tank car manufacturers, located in Woodlawn, part of Birmingham.

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.00 to \$18.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$18.50 to \$19.00; iron 2.75 to 3.25 per cent silicon, \$19.00 to \$19.50; iron of 3.25 to 3.75 per cent silicon, \$19.50 to \$20.00; iron of 3.75 to 4.25 per cent silicon, \$20.00 to \$20.50; charcoal iron, f. o. b. furnace, \$32.00.

#### OLD MATERIAL.

Old steel axles .....	\$16.00 to \$17.00
Old iron axles .....	16.00 to 17.00
Old steel rails .....	13.00 to 14.00
Heavy melting steel.....	13.00 to 14.00
No. 1 cast.....	16.00 to 16.50
Stove plate .....	13.00 to 13.50
No. 1 railroad wrought.....	12.00 to 13.00
Old car wheels .....	15.00 to 16.00
Old tramcar wheels .....	16.00 to 16.50
Machine shop turnings.....	7.00 to 8.00
Cast-iron borings .....	7.00 to 8.00
Cast-iron borings (chem.).....	15.00 to 16.00

## RAILROADS

### SEABOARD TO GO TO MIAMI.

#### President Warfield Makes Definite Announcement of Plans for Extension from West Palm Beach.

Subject to only two or three contingencies, over which no trouble is expected to develop, the Seaboard Air Line, S. Davies Warfield, president, will extend its line from West Palm Beach to Miami just as soon as is practicable. These contingencies, as described by Mr. Warfield, are: Receipt of right of way and property for necessary facilities throughout the territory between West Palm Beach and the corporate limits of Miami; to further understanding that the City Commissioners of Miami will extend the municipal railroad from its present terminus to a connection with the proposed freight terminal on Seventh avenue near 11th street, furnishing switching facilities to the municipal docks; that if rights of way from the main line entering Miami to the proposed freight depot cannot be secured under conditions which the railroad can afford to accept, the road will ask the City Commission to undertake to secure such rights of way to be leased to the railroad, and approval by the Interstate Commerce Commission.

In regard to extending the road below Miami, as urged by residents of Homestead, Mr. Warfield said:

"I cannot say what the Seaboard can do in extending beyond Miami. The committee from Homestead was enthusiastic as to the desires of that and contiguous communities to extend its lines below Miami. I could not say at this time what could be done in this matter."

According to Mr. Warfield, the investment in the proposed extension will run into millions of dollars. The distance will be about 68 miles, but the greatest cost in the total expense will be for terminal facilities for freight and passenger service into Miami.

As yet, added Mr. Warfield, he had not placed any surveyors on the job and had not decided on the actual course for the road, but thought it would be from half a mile to four miles west of the Florida East Coast Railway. Within seven or eight years, he thought, Miami will have a population of 1,000,000, and he expects his road "to add another million and a quarter to Florida's already million people."

In realization that the people of Miami will "want the road for the coming season," Mr. Warfield said he intends to have freight and passenger service extended there by that time—"we did the fastest piece of railroading in the history of the industry in the United States when we entered West Palm Beach and we expect to repeat in Miami," was the way he put it.

Practical co-operation with Mr. Warfield has been shown by progressive residents in the donation of land for right of way, Mr. Warfield announcing that he had accepted a donation from George E. Merrick of Coral Gables of 20 acres to be used as a freight facility and free rights of way through the properties of Coral Gables for both passenger and freight lines. Also, he has accepted from J. R. Perry property upon which the Miami passenger depot will be located, fronting on Flagler street, one block west of Douglas road, with necessary tracks to meet passenger and express needs. A large acreage, with right of way, has been obtained on reasonable basis from W. R. Comfort, adjacent to the passenger station, and rights of way with large acreage for station, yard and other facilities have been donated by the Curtiss-Bright

Company. Property on Seventh avenue near 11th street has been purchased for a freight terminal.

Mr. Warfield will endeavor to accelerate proceedings before the Interstate Commerce Commission, and in the meantime will have survey work started.

"I ask the full support not alone of those connected with southern Florida, but of all Florida," says Mr. Warfield.

### Favorable Rates South for Wheeling Iron and Steel Products.

Wheeling, W. Va., July 18—[Special.]—Wheeling iron and steel products are to be given a broader market in the South on a competitive basis through a broadening of river and rail rates announced on May 1 through a tariff published by the Inland Waterways Company and the Louisville & Nashville Railroad, the broadening of such rates to be effective on July 21.

The first of the new rates will cover the Illinois Central Railroad and additional points of origin, the latter being in the Pittsburgh district. The second tariff fixes joint river and rail rates from Wheeling and Pittsburgh to St. Louis, whereas the first tariff included ports between Wheeling and Memphis. This will put Wheeling products into active competition with the Western market on an even ground where before only companies sending their own products by their own line were able to enter the field.

A rerouting has been provided, according to announcement. Shipment will be made to Louisville by river and thence over the Illinois Central or the Louisville & Nashville to Memphis, and from there to St. Louis over the Louisville & Nashville Railroad.

Additional products permitted include iron and steel piping, seamless tubes, bridge materials and bars. The minimum load will be restricted to 400 tons to a barge.

### Freight Moving at the Rate of More Than 50,000,000 Cars a Year.

More than 25,000,000 cars were loaded with revenue freight on the railroads of the United States during the first six months of this year, and the Car Service Division of the American Railway Association says that this was the greatest total for any such period, according to the reports filed by the respective lines. The exact total for the half year was 25,162,080 cars, which exceeded by more than 306,000 cars the previous high record for a first half-year, which was made in 1923, and it also exceeded the total for the same period last year by more than 1,200,000 cars, or over 5 per cent.

Revenue freight loadings during the week ended July 4 totaled 864,452 cars, or 106,548 cars more than in the same week of last year. Comparison with the next preceding week this year shows that decreases were recorded in the loading of all kinds of freight, this being due to the Fourth of July holiday.

### Jackson & Eastern's New Extension.

The Jackson & Eastern Railway Co., of which S. A. Neville of Meridian, Miss., is president and general manager, and which is now operating 24 miles of line from Union westward to Walnut Grove, Miss., is reported building an extension from the latter point for a distance of 5 miles in the general direction of Jackson, the state capital. Jackson is the ultimate destination of the road, and it could connect there with the Illinois Central Railroad system or with the New Orleans Great Northern Railroad. The route to Jackson is along the Pearl River Valley.

### J. B. DUKE MAY EXTEND RAILWAY.

#### Cameron Morrison Says \$10,000,000 to \$15,000,000 Will Be Spent if Co-operation Is Assured.

According to a press report from Charlotte, N. C., J. B. Duke contemplates early construction of an extension of the Piedmont & Northern Railway, an electric line, of which he is chief owner. Cameron Morrison, former Governor of North Carolina, a friend of Mr. Duke, made a statement at a mass-meeting of business men and asked support for the proposed enlargement of facilities. No subscriptions to stock are requested, but only hearty co-operation of the business men along the route of the projected extension. As previously published, the route outlined is from Charlotte to Concord, Salisbury, Lexington, Winston-Salem, Greensboro and Durham, N. C., 140 or 150 miles, and it is also contemplated to build a 45 or 50 mile connection from Gastonia, N. C., to Spartanburg, S. C., and thus unite the northern and the southern parts of the railway.

It was further stated that Mr. Duke is ready to spend from \$10,000,000 to \$15,000,000 for the proposed improvements. It seems that actual work upon the extensions depends solely upon the spirit of the people along the route with relation to the railway and its aims.

The Durham & Southern Railway, a 57-mile line running from Durham to Dunn, N. C., is another of the Duke properties which would figure in connection with the extension of the electric railway.

### Swiss Electric Locomotive Builders Bid Against Americans—To Organize in This Country.

Brown, Boveri & Co., electrical manufacturers in Switzerland, have also entered the American field, according to a report from New York, saying that their bid for the building of 10 electric locomotives for the New York Central Railroad is less than \$96,000 per locomotive, which contrasts with bids by American builders of more than \$135,000 per locomotive. The contract has not yet been awarded, it is stated, but the American Brown-Boveri Company is being formed and when completed will include companies having \$40,000,000 gross of business a year. It will be owned and controlled in America, and will manufacture electrical products ranging from household appliances, etc., up to locomotives. It is represented by Laurence B. Wilder. It is claimed that Brown, Boveri & Co. of Switzerland are the largest builders of electric locomotives in the world. Electric railroads are extensively used in Switzerland, Italy and other parts of Europe.

### Volume of Freight Traffic in Ton Miles.

For the first five months in 1925, says the Bureau of Railway Economics, the volume of freight traffic on the railroads amounted to 176,654,923,000 net ton miles, an increase of 2.3 per cent over the corresponding period last year. In the Eastern district there was an increase for the five-month period of 1.8 per cent compared with the same period last year, and in the Southern district an increase of 4.1 per cent. The Western district reported an increase of 2.1 per cent.

The volume of freight traffic handled by the railroads in May amounted to 37,146,760,000 net ton miles. Compared with the corresponding month of last year, this was an increase of 3,231,618,000 net ton miles, or 9.5 per cent. Freight traffic in the Eastern district showed an increase of 11 per cent over May last year, while in the Southern district there was an increase of 12.3 per cent. The Western district showed an increase of 6.3 per cent.



### Radical Departure in Street-Car Construction.

The Grand Rapids (Mich.) Railway report for 1924 shows that the company has begun to equip the property for solicitation of increased transportation. The most important feature will be the adoption of a new type of electric street cars—the first of their kind in the United States. As a result of the destruction by fire of a large part of the company's rolling stock a year ago, the management decided before ordering new equipment to conduct experiments with light-weight and more convenient street cars.

As a result, three of the largest manufacturers of street-railway cars in the United States have built three specially designed cars, embodying innovations which are a distinct departure from previous design and construction. These cars are known as light-weight, noiseless cars. They average 24,000 pounds—about half the weight of cars of a similar size generally used today. The trucks are equipped with noiseless roller bearings and drum type band brakes, controlled by air instead of the usual iron brake-shoes. A better and easier seating design, more accessible step and door arrangement, improved lighting, heating and ventilation, ample safety devices, bulletin boards for general news items, electric "loud-speaker" announcers and economy devices are features. Cars are designed for operation by either one or two men.

Tests of the three cars are now being conducted in actual operation and are being watched by electric railway companies throughout the country. It is expected that some of the new cars, which will undoubtedly be of a design embodying the best features of the three cars tested, will be available for service in the autumn of this year.

### New Equipment.

Inquiries concerning 10 locomotives of the Santa Fe type have been sent out by the Central of Georgia Railroad, and are regarded in some quarters as an indication that the road contemplates material reinforcement of its rolling stock.

Contracts have been let by the Chesapeake & Ohio Railroad for the rebuilding of 30 Mallet type locomotives, 20 to be handled by the Richmond branch of the American Locomotive Company and 10 by the Newport News Shipbuilding & Dry Dock Co. at Newport News.

Recent equipment orders placed by the Richmond, Fredericksburg & Potomac Railroad include two Pacific type locomotives from the Baldwin Locomotive Works and two Mountain type and two six-wheel switching engines from the American Locomotive Company.

### Summer Excursion Rates Asked for Bluefield.

Bluefield, W. Va., July 17—[Special.]—Herbert Markle has been elected president of the Bluefield Chamber of Commerce. W. O. Warlick is the new first vice-president, A. A. Bodell was re-elected second vice-president and J. L. Alexander was re-elected treasurer. Conrad Brevick was re-employed for another year as secretary-manager.

The first official act of the new board was to request the Norfolk & Western Railway Co. to put Bluefield on an equality with Roanoke, Tazewell, Pembroke, etc., in the matter of summer tourist passenger fares. Instances were cited showing that people coming to Bluefield bought tickets to Tazewell or Radford in order to get special summer rates. No summer rate is quoted to Bluefield.

Plant City, Fla., J. C. Poppell, city attorney, is considering a bond issue of \$200,000 for paving, water-works improvements, armory and other projects.

## TEXTILE

### 2000-Spindle Twine Mill for Boaz.

Boaz, Ala.—Promoted by E. F. Whitman and associates of the Boaz Gin Co., a twine and cord mill to operate 2000 spindles will be established in a building which is now being erected for that purpose. The structure will be of brick, 140 by 65 feet, of modern design and construction. Machinery is arriving and is expected to be ready for operation within 30 or 40 days.

### Gets \$750,000 Government Contract.

Elkin, N. C.—A contract has been awarded to the Chatham Manufacturing Co., Elkin, by the United States Navy Department for the manufacture of 82,000 pairs of blankets designed to supply current needs of the Navy. It is understood that the amount of the contract will approximate \$750,000, and that the order will be handled by the company's plants here and at Lexington, N. C. The blankets will be of wool and the order is to be filled within eight months.

### Betterments for Crammerton Mills.

Crammerton Mills of Crammerton, N. C., Stuart W. Cramer, president, advises the MANUFACTURERS RECORD that they plan to install a wet finishing plant in connection with their weave shed, which makes fine and fancy cotton and silk goods. The building is expected to be completed this year and machinery installed shortly after the first of next year. Engineering and construction details are being handled by the company, with the assistance of the Aberfoyle Manufacturing Co. of Chester, Pa., which finishes the goods of the Crammerton Mills. Gale & Lord of New York are sales agents of both the Crammerton and Aberfoyle goods.

### German Interests Reported to Build Rayon Mill in South.

Recent press reports announce the incorporation in Delaware of a new company with a capitalization of \$17,500,000 for the construction of a large rayon manufacturing plant in the South. These interests are said to be identified with J. P. Bemberg, Ltd., whose American agents are Wolf, Strauss & Co. of New York and who are said to be collaborating with the Vereinigte-Glanzstoff-Fabriken interests in Germany for the construction of the new plant. It is stated that the plant at Darby, Pa., of the Salt's Textile Manufacturing Co. has been offered to the New York agents, but that the offer has been declined, with the explanation that it is desired to locate the proposed plant in the South where cheaper labor is available. A representative of the Salt company is reported as saying that a site has already been selected in Kentucky.

Earlier reports indicated that the new German plant would be located at or near Norfolk, where a site of 100 acres was being sought, this site to be selected because of its proximity to the raw-material supply and its possibilities as a Southern mill outlet, as well as its advantages of location relative to the important New York and Philadelphia rayon markets.

It is understood that the plant will be designed to produce 500,000 kilos of yarn per year, with provision made for doubling its capacity without interrupting work. No Germans will be brought here for manufacturing processes, it is said, except a staff of expert chemists and machine operators to be employed for about two months to put the plant in operation.

## GOOD ROADS AND STREETS

### Expansion of Motor Transport South.

Recent additions to motorbus transportation lines in the South are announced as follows:

A five-hour service by automobile from Augusta to Savannah has been inaugurated by the Augusta-Savannah Bus Line Company.

Bower & Faxon, realtors, have opened an office in Memphis, Tenn., and announce that motorbus transportation will be provided from that city to Coral Gables, Fla. It is estimated that four days will be required each way. The route will be via Birmingham, Jacksonville, Daytona and West Palm Beach.

E. L. Mabe, Pulaski, Va., has started a bus line to Allisonia, Va., and Jordan Rocock, Pulaski, has begun operating a line to Pearisburg, Va., from Pulaski.

Leon Arnold of the Washington Motor Coach Co., Washington, D. C., has made application to the Public Service Commission, Baltimore, for a permit to operate buses between Washington and Annapolis and also between Washington and Atlantic City.

Outings and Tours, a recently organized Baltimore enterprise, is now operating de luxe buses to Gettysburg, Pa.; Mount Vernon, Va.; Atlantic City, N. J., and to other cities.

The Southwest Missouri Railroad Co., Joplin, has improved its bus line schedules by extending service to territory not previously reached.

Voters of Hattiesburg, Miss., will decide at an early election whether the street railway cars are to be replaced by motorbuses.

Mrs. Edith F. Gregg of the Gregg Taxi and Sightseeing Service, Washington, has increased the tourist service of that organization by purchasing a Mack bus chassis upon which will be placed a sightseeing type body. The line already operates two 40-passenger buses.

The Ridge Transportation Co., Hagerstown, Md., a subsidiary of the Potomac Edison Co., figures prominently in an important consolidation of interurban bus lines. Practically all the lines in the western part of the state have been absorbed, the company having been actively engaged in buying up small lines since 1923.

### To Vote on \$660,000 for Roads.

Beckley, W. Va., July 18—[Special.]—A call has been made by the Raleigh County Court for a special election in Town district on \$660,000 of bonds for building roads, and has set August 15 as the date for the election. Roads to be improved and the estimated cost of each are as follows:

Pemberton to Abney, \$125,000; Tamroy to Price Hill, \$80,000; Johnstown to Lanark, \$140,000; Cranberry road, from Mt. Hope road to Cranberry store, three-quarter mile, \$25,000; Maple Fork road, from Mt. Hope road to Cirtsville, \$175,000; Beckley-Sylvia-Raleigh road, \$25,000; from end of paving on South Fayette street in Beckley to intersection with Shady Springs hard road near Raleigh ball park, \$90,000.

### Sells \$290,000 of Paving Bonds.

Haines City, Fla.—Bonds in the amount of \$290,000 have been sold by the City Commission to the Florida National Bank, Jacksonville, at \$297,410. Funds from the sale will be used to construct asphaltic concrete paving on 6th street, Hinson avenue, Jones avenue, Melbourne avenue, Railroad street, Ledwith avenue, Oak avenue, 8th street, 7th street, Alta Vista drive and 4th street, a distance of about six miles. The commission also sold an issue of \$55,000 for sanitary and storm sewers.

### West Virginia Wants Bids on 135 Miles.

Charleston, W. Va.—Bids will be received until August 4 by the State Road Commission for the construction of 14 road projects covering a total of more than 70 miles. It will also receive bids for surface-treatment on approximately 54 miles. On August 12 the commission will receive bids for 19 projects covering approximately 65 miles. This work will include 25 miles of bituminous macadam, 21 miles of grading and drainage, 6 miles of cement shoulders, 9 miles of oil-finished macadam and 4 miles of concrete.

Plans and specifications may be obtained from the division engineer in whose territory the proposed construction is located or from the office of the commission at Charleston.

### Kentucky Roads to Cost \$300,000—Bids on Other Projects Total \$114,000.

Frankfort, Ky.—Contracts have been awarded by the State Highway Commission for the construction of more than 24 miles of roads to cost about \$300,000. This work will include 14.924 miles of grading and drainage work to cost \$181,530; 3.292 miles of stone work, \$60,560, and 6.325 miles of gravel to cost \$58,502.

Bids have been opened on four other projects, involving a total of 12.256 miles, the lowest bids aggregating \$114,518. Contracts for these have not been awarded.

### Road and Bridge Contracts Total \$1,000,000.

Jefferson City, Mo.—Road and bridge contracts have been awarded by the State Highway Department to a total of nearly \$1,000,000, the work to cover 28 road projects, aggregating more than 90 miles and 10 bridge projects. Road work will consist of 36.753 miles of earth work to cost \$238,412; 23.459 miles of concrete, \$330,865, and 32.144 miles of gravel, \$260,439. The total cost of the bridges will be \$148,803.

### Notes on Good Roads Construction.

The city of Sheffield, Ala., plans to issue approximately \$219,000 of bonds for street paving.

Bids will be received until July 31 by the city of Austin, Texas, for the construction of a bridge over Barton Creek.

Halifax County Commissioners, J. W. Whitaker, chairman, Halifax, N. C., plan to sell \$500,000 of an authorized bond issue of \$900,000 for hard-surfacing roads in the county.

Bids will be received until July 28 by the State Highway Department, Columbia, S. C., for the construction of a 100-foot creosoted timber bridge over the Seaboard Air Line Railroad near Fort Lawn in Chester county.

Palm Beach County Commissioners, J. E. Bell, chairman, West Palm Beach, Fla., plan to issue \$600,000 of bonds to widen and recondition Dixie Highway throughout the county and to build two or three bridges on the road.

Fayette County Court, Fayetteville, W. Va., will receive bids until August 3 for building four miles of bituminous macadam road, with grading and draining, on the Clifton-Danese highway, for which plans and specifications may be obtained from the county road engineer at Fayetteville.

Bids will be received at the office of the State Highway Engineer, Austin, Texas, until August 7 for grading and drainage structures on 5.41 miles of road on State highway No. 8 in Bowie county. Information may be obtained from the resident engineer at New Boston, Texas, and at the Austin office.



# LUMBER AND BUILDING MATERIALS

## Healthier Lumber Tone.

Washington, July 16.—Telegraphic reports to the National Lumber Manufacturers Association from 379 of the larger sawmills of the country, covering reports of lumber manufacture for the week ended July 11, indicate a healthier tone for the industry, with 21 more mills reporting than for the previous week. Production and new business indicate a decided increase, while shipments are slightly less than for the previous week.

The unfilled orders of 249 Southern Pine and West Coast mills at the end of last week amounted to 616,940,331 feet, as against 603,039,457 feet for 246 mills the previous week. The 134 identical Southern Pine mills in this group showed unfilled orders of 230,050,632 feet last week, as against 222,623,604 feet for the week before. For 115 West Coast mills the unfilled orders were 386,889,699 feet, as against 380,415,853 feet for 112 mills a week earlier.

Altogether the 379 comparably reporting mills had shipments 96 per cent and orders 107 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 97 and 109, and for the West Coast mills 108 and 116.

Of the comparably reporting mills 355 (having a normal production for the week of 219,472,791 feet) reported production 91 per cent of normal, shipments 90 per cent and orders 101 per cent.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past week 379	Corresponding week 1924 363	Preceding week 1925 (revised) 358
Mills .....			
Production .....	219,445,578	186,659,957	192,666,414
Shipments .....	209,610,743	182,681,162	212,577,740
Orders .....	235,159,963	203,366,276	212,378,575

The following revised figures compare the lumber movement for the first twenty-eight weeks of 1925 with the same period of 1924:

	Production	Shipments	Orders
1925 .....	6,749,351,649	6,667,713,998	6,520,686,998
1924 .....	6,547,158,844	6,473,003,036	6,118,534,169
1925 Increase .....	202,192,805	194,710,962	402,152,829

The West Coast Lumbermen's Association wires from Seattle that new business for the 115 mills reporting for the week ending July 11 was 16 per cent above production and shipments were 6½ per cent below new business.

The Southern Pine Association reports from New Orleans

that for the 134 mills reporting shipments were 2.58 per cent below production, while orders were 9.41 per cent above production and 12.31 per cent above shipments. Of the 91 mills reporting running time, 16 operated full time, and of 65 mills on a five-day basis, 10 were on double-shift operations and 6 reported overtime.

The Western Pine Manufacturers Association of Portland, Ore., with 7 more mills reporting last week than for the week before, indicates decided gains in production, shipments and new business.

The California Redwood Association of San Francisco reports a small increase in production, little change in shipments, while new business was almost double that for the previous week.

The North Carolina Pine Association of Norfolk, Va., reports relatively good gains in production and shipments and a slight decrease in new business last week as compared with the previous week.

The Northern Hemlock and Hardwood Manufacturers Association of Oshkosh, Wis. (in its softwood production), reports marked increases in production, shipments and new business.

The Northern Pine Manufacturers Association of Minneapolis reports a good gain in production, a small decrease in shipments and a substantial gain in new business last week as compared with the week earlier.

## Louisiana Forestry Association to Meet.

Natchitoches, La.—The sixteenth annual meeting of the Louisiana Forestry Association will be held at the State Normal College here on July 31. President J. K. Johnson, Bogalusa, who is also forester of the Great Southern Lumber Co., will review the work of the association, the keynote of the meeting to be "The Educational Necessities of Forest Conservation." T. H. Harris, superintendent of education in Louisiana, will discuss the subject of "School Forests in Louisiana," while W. J. Everett, commissioner of conservation, will discuss "The Progress of Forestry in Louisiana."

## Organized to Build Residences.

Arcadia, Fla.—The Arcadia Co-operative Building & Investment Co. has incorporated here with a capital stock of \$100,000 and plans to begin at once an extensive house-

LUMBER MOVEMENT FOR TWENTY-EIGHT WEEKS, AND FOR WEEK ENDING JULY 11.

	Production		Shipments		Orders	
	1925	1924	1925	1924	1925	1924
Southern Pine Association:						
Total .....	2,159,078,122	2,139,665,796	2,099,353,601	2,110,652,553	2,082,160,374	2,040,107,043
Week (134 mills) .....	61,949,045	67,127,096	60,352,404	64,261,885	67,779,432	84,963,618
West Coast Lumbermen's Ass'n:						
Total .....	2,784,244,751	2,629,731,718	2,915,126,044	2,755,207,696	2,876,340,186	2,543,759,471
Week (115 mills) .....	87,342,779	64,128,361	94,727,657	76,243,364	101,241,855	76,563,858
Western Pine Manufacturers' Ass'n:						
Total .....	857,479,000	878,108,000	836,524,000	817,287,000	834,169,000	798,878,000
Week (38 mills) .....	38,299,000	29,560,000	30,108,000	22,383,000	39,676,000	21,900,000
California Redwood Association:						
Total .....	211,629,000	242,342,000	193,439,000	196,091,000	195,229,000	190,397,000
Week (15 mills) .....	6,022,000	5,654,000	5,350,000	3,906,000	6,208,000	4,843,000
North Carolina Pine Association:						
Total .....	236,196,576	214,631,230	230,444,453	215,827,987	181,609,438	181,887,655
Week (53 mills) .....	7,173,454	6,326,900	7,709,382	5,797,113	6,601,676	5,455,800
Northern Hemlock and Hardwood:						
(Softwood) total .....	78,654,000	69,130,000	70,385,000	64,716,000	56,735,000	51,685,000
Week (15 mills) .....	3,752,000	2,043,000	1,622,000	1,345,000	1,967,000	1,284,000
Northern Pine Manufacturers' Ass'n:						
Total .....	265,199,200	245,047,100	234,148,900	227,995,800	215,176,000	235,403,000
Week (9 mills) .....	11,742,300	10,053,600	7,521,300	7,665,800	7,909,000	7,363,000
General total for 28 weeks .....	6,592,480,649	6,418,655,844	6,579,420,998	6,387,778,036	6,441,418,998	6,042,117,169
Northern Hemlock and Hardwood:						
(Hardwood) (28 weeks) .....	156,871,000	128,503,000	88,293,000	85,225,000	79,268,000	76,417,000
California White and Sugar Pine:						
Total .....	*460,349,000	435,928,000	510,251,000	357,509,000	460,803,000	406,503,000
Week (8 mills) .....	8,451,000	11,982,000	4,328,000	9,377,000	5,642,000	10,691,000
General total for week .....	219,445,578	186,659,957	209,610,743	182,681,162	235,159,963	203,366,276

\*Revised figures not included in general totals. Represents about 75 per cent total production California pine region.

building program. It is the purpose of the company to start the construction of five residences immediately and to build five each month. B. F. Welles, Lowndes Treadwell and others are interested in the enterprise.

### Increased Production of Clay in 1924—Record Fire-Clay Output.

The output of clay mined and sold as clay in the United States in 1924 amounted to 3,676,720 short tons, valued at \$11,478,756, compared with 3,434,660 tons, valued at \$11,188,913, in 1923. This is an increase of about 7 per cent in quantity and 3 per cent in value as compared with those of 1923. The Bureau of Mines states that these figures represent only clay sold as clay or mined under royalty, and do not include the much greater quantity of clay that was burned into clay products by the producers themselves from their own property.

The output of kaolin, the clay that is used in making high-grade pottery and porcelain, as well as paper, oilcloth and other products, and is generally considered the highest grade of clay, amounted to 326,602 tons, valued at \$2,923,965, a decrease of 3 per cent in quantity as compared with 1923, with practically the same value as for 1923. The clay of largest production and value is fire-clay. The output of fire-clay was the largest ever recorded—2,429,320 tons—and was 6 per cent greater than that of 1923 and 3 per cent greater than that of 1917, the year of largest output previous to 1924. The value of the fire-clay output of 1924 was \$6,708,283, an increase of 2 per cent as compared with 1923, but a decrease of 5 per cent as compared with 1920, the year of greatest value of fire-clay. The output of clay other than kaolin and fire-clay decreased in quantity and value in 1924.

Imports of clay increased in quantity and value in 1924 as compared with 1923, and the exports decreased in quantity but increased in value. The imports of clay amounted to 444,100 short tons, valued at \$3,976,040, an increase of 13 per cent in quantity and 8 per cent in value. Exports of clay in 1924 amounted to 72,755 tons, valued at \$732,716. This was a decrease of 14 per cent in quantity and an increase of 16 per cent in value as compared with 1923. Kaolin, or china clay, constituted 80 per cent of the total imports in 1924. Fire-clay, the principal clay exported, amounted to 57 per cent of the total.

### Commendations, Kicks and Comments

#### A Birmingham Banker Would Pay \$25.00 A Year If Necessary.

LEO. K. STEINER, Banking House of Steiner Brothers, Birmingham, Ala.—We take pleasure in enclosing check for \$10.00 for two years' subscription to your magazine. If the subscription was \$25.00 a year we would not do without it.

#### The Farce at Dayton.

HENRY C. FITE, Pres. and Gen. Mgr., Auto Electric Service Co., Montgomery, Ala.—The writer is certainly pleased with your paper and all I have to say in regard to your policies is, "Them's my sentiments!" Please send the MANUFACTURERS RECORD to my father, E. C. Fite, Hendersonville, Tenn. You may start with the June issues as I want him to get your editorials on the Dayton farce.

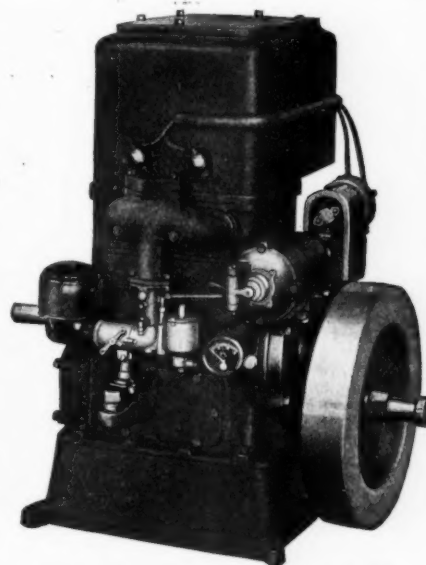
#### Foolish to Try to Do Without the Manufacturers Record, Says a Contractor.

T. J. RAY, Hughes & Ray, General Contractors, Newland, N. C.—I have read the MANUFACTURERS RECORD regularly for several years, and some two or three months ago my subscription expired and I foolishly decided I could get along all right without it, but I have changed my mind. It doesn't pay a man who is trying to do anything to fail to read the MANUFACTURERS RECORD. I herewith enclose my check for \$6.50 and will thank you to start my subscription with the issue which has just come out. I have not seen it, but I want to see it very much.

## MECHANICAL

### New Internal-Combustion Engine.

A new two-cylinder engine, built especially for use in the industrial field, has been designed and brought out by the Fuller & Johnson Manufacturing Co., Madison, Wis. This is the new Model AB, and desiring that the two-cylinder



TWO-CYLINDER ENGINE ON BASE.

engine should fully realize the high reputation established by the single-cylinder Model NB engine for continuous, economical and dependable performance, the company's engineers have spent several years in developing it and in tests for long periods under most severe operating conditions. It is claimed to be "the last word" in reliable and economical internal combustion-engine power.

The engine can be rotated in either

direction and it can take power from either a crankshaft or from separate low-speed shaft with gear reductions approximately  $2\frac{1}{2}$  to 1 and 3 to 1. This separate back-gear power shaft, it is remarked, makes it possible to have ample size shafts and bearings and to supply different gear ratios to meet the requirements. A double row of ball bearings carry the power end of the low-speed shaft.

In design the engine is rigid and of moderate weight; extra large shafts with extra long bearings are provided. It is especially well balanced (light reciprocating parts, Duralumin connecting rods) and vibration is eliminated. It pulls full rated horsepower continuously (from 5 to 9) according to the speed. Speeds are from 900 to 1200 revolutions per minute for the main shaft, and with separate back gear shaft approximately from 300 to 600 revolutions per minute. A special fly-ball governor insures close speed regulation and economical operation. The engine can be furnished with one or two fly-wheels, and it can be mounted either on the base shown in the picture or on channels or with special three-point suspension. All working parts are easily accessible; practically all are on one side of the engine. A bulletin issued by the company describes and illustrates the engine with full particulars.

### To Improve Cape Girardeau Power Plant.

Cape Girardeau, Mo.—At a meeting in St. Louis of the board of directors of the Community Light & Power Co. of that city it was voted to make improvements to the power plant here at a cost of approximately \$200,000. Information received by H. C. Newman, district manager of the Missouri Utilities Co., operating the local plant, indicates that work will be undertaken at once. Plans call for the alteration of the present building and the installation of a 2500-KVA turbine on Main street. The present capacity of the plant is 1800 KVA.



# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (\*) following an item indicates that the enterprise has been reported in a preceding issue.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

### Bridges, Culverts and Viaducts

Alabama—State Highway Dept., Montgomery, will build 2 bridges and earth approaches. See Road and Street Construction.

Ala., Mobile—Mobile County will build several bridges. See Road and Street Construction.

Fla., Apalachicola — Franklin County Comms. granted franchise to Dr. M. D. Kelly, 1321 Tawyer Ave., Franklin Co., Chicago, to construct 6 mi. toll bridge across Apalachicola Bay, estimated cost \$2,000,000.

Fla., DeLand—Volusia County will build 19 culverts. See Road and Street Construction.

Fla., Fort Lauderdale—Broward County Comms. let contract to Champion Bridge Co., Wilmington, Ohio, at \$32,800 for steel drawbridge over North New River canal on Davie road from Fort Lauderdale.

Fla., Sanford—Seminole County Comms. receive bids Aug. 10 for 3 bridges, earth fills and approach: 200,000 cu. yds. earth fills along South Shore Lake Monroe, from Lake Monroe Highway Bridge easterly 1½ mi.; 81,300 cu. yds. on Geneva Road across St. Johns River flats; 18,700 cu. yd. approach to draw bridge over St. Johns River, at east end of Celery Ave.; construct 3 creosoted timber bridges, totalling about 400 ft., and erection protection fenders for old draw bridge; plans on file and from Fred T. Williams, Engr.

Fla., St. Petersburg—City plans building reinforced concrete bridges; votes Sept. 8 on \$110,000 bonds; R. E. Ludwig, Director of Public Utilities; R. S. Pierce, Mayor.

Fla., Tampa—See Land Development.

Fla., Tampa—Durrance Toll Bridge Co., Inc., chartered; J. R. Durrance, Pres., West Palm Beach; H. Lane Coachman, Sec.-Treas., plans constructing \$4,000,000 10-mi. bridge across Old Tampa Bay from west end of Grand Central Ave. to Pinellas County.\*

Fla., Tavares—See Road and Street Construction.

Fla., West Palm Beach — Palm Beach County will receive bids soon for 2 bridges: across Hillsborough Canal at Deerfield; across Loxahatchee River at Jupiter. Address County Engr.

Ga., Savannah—Central of Georgia Ry., C. K. Lawrence, Ch. Engr., Savannah, preparing plans for viaduct.

Georgia—State Highway Comm., East Point, let contract for 2 bridges. See Road and Street Construction.

Ga., Lagrange—Troup County Comms. of Road and Revenues let contract for 2 bridges: E. M. Williams, Monroe, Ga., at \$9494, for concrete bridge over Flat Shoal's Creek, 12 mi. southeast of Lagrange, and at \$11,054 for concrete bridge over Beech Creek, 5 mi. north of Lagrange.\*

La., Houma—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids August 11 for substructure and approaches for 30-ft. steel jack-knife Minor Canal Bridge on Houma-Morgan City Highway; also to erect, bolt and paint 30-ft. jack-knife steel span, 40,000 pounds structural steel; plans on file; W. B. Robert, State Highway Engr.

La., Shreveport—North Shreveport Realty Co. and Kansas City Southern Ry., A. N. Reece, Ch. Engr., 422 Railway Exchange, Kansas City, will build 2 underpasses, beneath Kansas City Southern R. R. tracks, about 3 mi. apart, near entrance to Lake View subdivision; each to cost \$9000.

Missouri—State Highway Dept., Jefferson City, let contracts for 10 bridges: Barton County, over Midway Creek, on road from Lamar to Jasper, Koss Construction Co., Des Moines, Iowa; Crawford County, from Cuba

to Steelville, Littrell & Sprague, Wichita, Kansas, over Meramec River, \$52,301; over Yadkin River, \$7223; DeKalb County, over Grandstone Creek, from Stewartville to Cameron, Metropolitan Paving Co., Donnel Court, St. Joseph, \$6548; Franklin County, over C. R. I. & P. Ry., from Union west, Fluekiger & Jacobs, Union, \$5530; Macon County, from Callao to Macon, Mike Haase, 2133 S. 11th St., St. Joseph; over Middle Fork Chariton River, \$9450; over C. B. & G. R. R., \$7722; Ozark County, from Ava to Gainesville; over Barren Fork, Republic Construction Co., Republic, \$17,975; over Hogard Creek, Republic Construction Co., \$5300; Shannon County, over Sinking Creek, from Eminence north and south, Public Works Construction Co., Century Bldg., St. Louis, \$33,480.\*

Miss., Biloxi—Harrison County Board of Supvrs., Gulfport, receives bids Aug. 5 for reinforced concrete bridge, steel draw open and approaches thereto, across Bay of Biloxi, known as Back Bay Bridge; plans from Eustis McManus, Clk.\*

Miss., Yazoo City—Yazoo County Board of Supvrs. will build bridge over Big Black Creek near Vaughan Station.

Mo., Mexico—Pan American Bridge Co., Moberly, received contract for 36-ft. steel bridge on Audrain-Galloway line.

Mo., Springfield—Greene County Comms. let contract to A. C. Means for steel bridge over Sac River.\*

N. C., Nashville—Nash County Comms., F. P. Spruill, Chmn., receives bids July 30 for concrete culverts and bridges, 220,880 lbs. reinforcing steel, 200,000 lbs. structural steel; plans on file and from Jno. J. Wells, Engr., Rocky Mount.

N. C., Wrightsville Beach, P. O. Wilmington—See Land Development.

Okla., Pawnee—See Road and Street Construction.

S. C., Fort Lawn—State Highway Dept., Columbia, receives bids July 28 for 100-ft. creosoted timber bridge over S. A. L. R. R. on State Route No. 9, near Fort Lawn, Chester County; plans from Samuel McGowan, Ch. Highway Commr., P. O. Drawer No. 660, Columbia.

S. C., Spartanburg—City receives bids July 22 to excavate and construct culvert over new tracks of C. & W. C. R. R., at W. Main St., 25,000 lbs. reinforcing steel. Address City Clk.

Tenn., Smithville—De Kalb County plans building 3 concrete bridges, across Dry Creek, and two across Caney Fork River. Address County Comms.

Tex., Hidalgo—H. A. Morrison, V.-P. Municipal Securities Co., Exchange Bldg., Memphis, Tenn., interested in railroad bridge across Rio Grande River at Hidalgo.

Tex., Houston—City and Harris County plan bridge across Brays Bayou at Lawndale Ave., including paving approaches, cost \$62,000; J. C. McVea, City Engr.; Howe & Wise, Engrs., 816 First National Bank Bldg., Associate Engrs.

Tex., Houston—City, O. F. Holcombe, Mayor, plans building turning basin bridge at Sixty-ninth St.; J. C. McVea, Engr.\*

Tex., Houston — City, O. F. Holcombe, Mayor, plans bridge at Sixty-ninth St., 100-ft. single leaf, bascule draw span, 65-ft. clearing when opened; also 2 subways from Turning Basin and Clinton; J. C. McVea, City Engr.

Tex., Llano—State Highway Comm., Frank V. Lanham, Austin, will receive bids soon to repair bridge across Llano River on State Highway No. 43, four 200-ft. steel spans, 18-ft. roadway, two 5-ft. sidewalks; R. J. Hank, State Highway Engr.; G. G. Wickline, State Bridge Engr.

Tex., Meridian—See Road and Street Construction.

Va., Harrisonburg — Rockingham County Board of Supvrs. let contract to Roanoke Bridge & Iron Co., Roanoke, at \$7000 for bridge over Shenandoah River at Scott's Ford.

West Virginia—State Road Comm., Charleston, receives bids Aug. 18 for 17 bridges: Kanawha County, Little Sandy Bridge No. 914, reinforced concrete substructure, steel superstructure, 100-ft. span; Coope's Creek, No. 1000, concrete; Big Sandy No. 400-1, steel superstructure; McDowell County, West Landgraft, No. 732, concrete substructure, steel superstructure, 120-ft. span; Mercer County, Camp Creek, No. 1000, concrete arch, 90-ft. span; Mason County, West Creek, No. 1001, 35-ft. concrete deck girder span; Jackson County, Sycamore No. 952, two 50-ft. concrete deck girder spans; Ritchie County, Cairo, No. 839, reinforced concrete substructure, steel superstructure, 180-ft. span; Boone County, Madison, No. 654, concrete substructure, steel superstructure, two 75-ft. spans; Greenbrier County, East Rainelle, No. 901, two 30-ft. concrete deck girder spans.

In Upshur County, French Creek No. 903, concrete substructure, steel pony truss superstructure, 60-ft. spans; Harrison County, Bridgeport No. 837, over Simpson Creek, concrete substructure, steel pony truss superstructure, 85-ft. span; Roane County, Upper Spring Creek No. 715, two 51-ft. concrete deck girder spans; Reedy No. 1007, concrete substructure, steel superstructure, 150-ft. span; Hardy County, Moorefield No. 739, steel superstructure, two 90-ft. spans; also repair substructure; Randolph County, Beverly No. 974, substructure and steel pony truss, 80-ft. span; Tucker County, Mill Race No. 978, 20-ft. span concrete arch.

W. Va., Fairmont—Marion County Court let contract to Concrete Steel Bridge Co., 600 E. Pike St., Clarksburg, at \$12,940 for concrete bridge across Buffalo Creek at Downs.

### Canning and Packing Plants

Ala., Birmingham—National Packing Co., capital \$20,000, incorporated; N. J. Dollar, 1604 33rd Ave.

Miss., Laurel—SINGLE Packing Co., capital \$75,000, incorporated; W. C. Singley, R. J. Barbour.

### Clayworking Plants

Ga., Atlanta—See Electric Light and Power.

Mo., Kansas City—W. S. Dickey Clay Manufacturing Co. incorporated, New York Life Bldg.

W. Va., Charleston—Elkland Fire Brick Co., 408 Bank of Commerce, N. F. Connes, Pres., will erect plant with daily capacity 40,000 to 80,000 bricks, plans not completed; cost \$100,000.\*

### Coal Mines and Coke Ovens

Va., Charlottesville—The City Coal Co., Inc., Jack Rinehart, Pres., changed name from Spratt Coal Corp.

### Concrete and Cement Plants

Fla., Ocala—Camp Concrete Rock Co., capital \$300,000, incorporated; Jack Camp, Pres.; Robert M. Kay.

Fla., Orlando—J. M. Scott will build cement block factory; acquired site.

Fla., Panama City—Coastal Manufacturing Co., capital \$50,000, organized, S. D. Cowden, Fred T. Bennett, reported, to erect plant at Millville Junction for manufacture of hollow concrete tile.

Fla., Sarasota—Sarasota Cement Products

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., capital \$50,000, incorporated; J. F. Baumgartner, Robert P. Thacker.

Fla., St. Petersburg—Carpenter Concrete Products Co., capital \$10,000, incorporated; A. A. Carpenter, Geo. E. Brack.

Fla., St. Petersburg—Dabney & Arledge Concrete Co., incorporated; P. L. Gregory, N. B. Arledge.

Fla., Tampa—John Senior, Pres. Cowham Engineering Co., James Bldg., Chattanooga, Tenn. reported, plans establishing 2,500,000 bbl. capacity cement plant; approximate investment of \$5,000,000; construction to begin within ninety days. H. J. Weeks, Sec., wires: "In reference to Tampa plant, size 2,500,000 bbl., investment approximately \$5,000,000, employees about 300, payroll about \$700,000 annually, Cowham Engineering Co., Chicago, Ill., Engrs. and Contrs., plant located on deep water at Tampa with rock and clay as raw materials; John L. Senior, Pres. Signal Mountain Portland Cement Co. and Peninsular Portland Cement Co., at head of new company."

S. C., Rock Hill—Rock Hill Cement Products Co., incorporated; G. W. Allen, J. E. Healan; manufacture pipe, etc.

W. Va., Huntington—P. J. Reinhart Cast Stone Co., 1521 Adams Ave., capital \$15,000, incorporated; Peter P. Reinhart, Thos. W. Allen.

### Cotton Compress and Gins

Mo., Bernle—Bernle Gin Co., capital \$20,000, incorporated; A. Bertig, Henry Becking.

Okla., Comanche—Independent Gin Co., capital \$25,000, incorporated; A. N. Harley, R. H. Hillery.

Okla., Grant—Growers Gin Co., capital \$10,000, incorporated; J. B. Gooding, J. R. Norris.

Okla., Norman—Eugene Ambrister will erect cotton compress.

Okla., Shady Point—Mixon-Phillips will rebuild cotton gin, burned at loss of \$12,500.

Tex., Quanah—Lewis Gin Co., capital \$56,000, incorporated; L. T. Lewis, C. A. Simmons.

Okla., Webber Falls—Holcomb Gin Co., capital \$10,000, incorporated; W. E. Holcomb, Muskogee; C. L. Griffith, Ada.

### Cottonseed-Oil Mills

La., Alexandria—Red River Cotton Oil Co., capital \$124,000, incorporated; J. E. Byram.

Miss., Greenwood—Buckeye Cotton Oil Co. let contract to Pevey & Son, Jackson, to install boilers in plant.\*

Tex., El Paso—Rio Grande Valley Cotton Oil Co., capital \$150,000, incorporated; H. E. Chiles, Pat E. Hooks.

Tex., Itasca—Itasca Cotton Oil Co., capital \$100,000, incorporated; G. L. White, Pat E. Hooks.

### Drainage, Dredging and Irrigation

Tex., Crystal City—Zavella & Dimmitt County Irrigation Dist. No. 1 will construct reinforced dam and appurtenances; includes 3000 yards concrete, 170,000 pounds reinforcing steel, 1000 yards wet excavation, 1500 yards dry excavation, 10,000 yards levee embankment; G. M. Jowers, Engr.\*

Tex., Edinburg—R. B. Renfro and T. Tamm, representatives of Hidalgo County Water Improvement Dist. No. 1 propose irrigating 6500 acres by pumping water from Rio Grande River; contemplates \$250,000 bond issue.

Tex., Seymour—R. Q. Lee, Pres., West Chester Chamber of Commerce, Cisco, interested in establishing irrigation system.

Tex., Wharton—Comms. of Wharton County Conservation and Reclamation Dist. No. 1, D. A. Dickson, Chrmn., receives bids Sept. 1 for improvements of Colorado River in Wharton and Matagorda Counties, approximately 14 mi.; J. P. Markham, Engr., Wharton. (See Machinery Wanted—River Improvement.)

### Electric Light and Power

Ala., Cherokee Bluff—Alabama Power Co., Brown-Marx Bldg., Birmingham, reported, let contract to General Electric Co., Schenectady, N. Y., for three 45,000-H.P. generators at hydro-electric power plant at Cherokee Bluff.\*

Ala., Clanton—Alabama Public Service Comsn., Montgomery, granted franchise to Alabama Power Co., Brown-Marx Bldg., Birmingham, to construct electric transmission line from company's system at Clanton to Thorsby and Jemison.\*

Ark., Gravette—City, E. L. Chatfield, Mayor, contemplates installation of 90 horsepower gas engine.

Fla., Bartow—See Land Development.

Fla., DeLand—See Land Development.

Fla., Fort Lauderdale—See Miscellaneous Construction.

Fla., Fort Lauderdale—Florida Power & Light Co., has site on Cunningham Ave., will erect substation.

Fla., Gainesville—See Land Development.

Fla., Homestead—See Land Development.

Fla., Iverness—City plans purchase and improvement of electric light plant; E. V. Camp and associates, Engrs., Moreland and DeKalb Aves., Atlanta, Ga.

Fla., Jacksonville—See Land Development.

Fla., Lakeland—See Land Development.

Fla., Madison—Valdosta Lighting Co., Valdosta, Ga., reported acquired electric light plant; construct transmission line from Valdosta to Madison, distance of 28 miles; cost \$50,000.

Fla., Miami—Phoenix Utility Co., 71 Broadway, New York, has begun construction of Stuart-Miami power transmission line.

Fla., Miami—See Land Development.

Fla., Ormond—See Land Development.

Fla., Orlando—See Land Development.

Fla., Panama City—Econofina Power Co., capital \$300,000, incorporated; W. C. Sheman, Ira L. Hutchinson.

Fla., Sebring—See Sewer Construction.

Fla., St. Petersburg—Johns' Pass Road Improvement Assn., interested in white way for Thirtieth Ave.

Fla., Winter Haven—See Land Development.

Ga., Atlanta—Luther C. White, Supt. of Prisons, reported interested in electric power plant and brick manufacturing plant.

Ga., Homerville—See Water Works.

La., Baton Rouge—Baton Rouge Electric Co., 329 Florida St., increased capital to \$6,925,000.\*

La., Crowley—A. E. Rogers, 350 E. Fifty-sixth St., Chicago, Ill., reported interested in organization of Central Louisiana Light and Power Co., to erect \$10,000,000 steam electric plant on Mermentau River near Crowley, to generate 60,000 h.p.; tentative plans include 500 miles transmission line.

La., Lafayette—City let contract at \$32,355 to De La Vergne Machine Co., 1136 E. 138th St., New York City, for oil engine for third unit of lighting plant and at \$4752 to Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., for electrical machinery.\*

La., Mooringsport—R. H. Burtz, Shreveport, acquired Peoples' Gas, Electric Light & Power Co.'s plant.

La., Shreveport—Shreveport Gas and Electric Co. will issue \$1,000,000 of 8 per cent preferred stock and \$4,000,000 of 7 per cent preferred stock.\*

La., Shreveport—See Land Development.

Miss., Duck Hill—City granted 25-yr. electric power and light franchise to Mississippi Power & Light Co., Jackson.

Miss., Hazlehurst—Mississippi Power & Light Co., Jackson, acquired municipal lighting plant.

Miss., Moss Point—Mississippi Power Co., Gulfport, acquired electric light plant.

Mo., Kansas City—Missouri Hydro-Electric Power Co., Walter Cravens, Pres., Land Bank Bldg., reported to have let contract to Bickel Construction Co., 16th and Charlotte Sts., for damming Osage River, creating inland lake 100 miles long by 3 miles wide, with spillways extending an additional half mile; develop 75,000 kilowatt of electric current; Burns & McDonnell, Engrs., 402 Interstate Bldg.\*

Mo., Malden—See Water Works.

Mo., St. Louis—See Land Development.

N. C., Biltmore—Webb Electric Co., 116 Patton St., Asheville, has contract at \$11,000 for installation of street lighting system.

S. C., Charleston—Charleston Consolidated Rwy. & Lighting Co., 141 Meeting St., will lay 1025 ft. of 3 conductor 2/0 6600 volt submarine cable with necessary cable terminals across the Ashley River; cable furnished by Okonite Co., Passaic, N. J.; cable terminals furnished by G. & W. Electric Specialty Co., 7440 S. Chicago Ave., Chicago, Ill.\*

S. C., Chester—See Land Development.

Tenn., Knoxville—Knoxville Power and

Light Co., Church St., plans underground system of lighting.

Tex., Amarillo—See Water Works.

Tex., Archer City—Wichita Falls Electric Co., 904 Scott St., Wichita Falls, acquired light and power plant.

Tex., Crosbyton—Texas Utilities Co., Plainview, acquired Cap Rock Light & Power Co.'s plant.

Tex., Nederland—Eastern Texas Electric Co., 362 Liberty Ave., Beaumont, will erect electric plant and ice factory; brick; cost \$25,000.

Va., Mineral—Louisa County Light and Power Co., incorporated; Walter Washabaugh, Pres., Charlottesville; Willard G. Fisher, Sec., Mineral.\*

### Fertilizer Plants

Fla., Lakeland—Lakeland Fertilizer, Seed & Supply Co., capital \$10,000, incorporated; E. W. Osham, L. V. Oxley.

Miss., Hollywood—International Agricultural Corp., 61 Broadway, New York, reported to have acquired plant of Tupelo Fertilizer Co.

### Foundry and Machine Plants

Ala., Avondale Sta., Birmingham—Continental Gin Co. let contract to the Hardie-Tynes Manufacturing Co., 800 N. Twenty-eighth St., Birmingham, for Corliss engine type generator unit, for new plant now under construction.\*

Ky., Lexington—Timmins Foundry Co., Wm. Timmins, Pres., 608 W. High St., reported to move foundry from Winchester.

Tenn., Kingsport—Kingsport Foundry & Machine Works Co., capital \$25,000, incorporated; B. C. Pendleton, W. T. Jones.

Va., Lynchburg—Standard Chilled Castings Co., Foundry Turnpike, will rebuild burned plant.\*

### Gas and Oil Enterprises

Ala., Bessemer—Birmingham Electric Co., Birmingham, is extending gas mains to Brighton subdivision; plans installation of gas tank.

Fla., Sarasota—Major M. A. White, 223 W. 23d St., New York City, applied for gas franchise; will probably erect plant near Oneco with capacity to serve Bradenton, Sarasota, Manatee and Palmetto.

Fla., St. Petersburg—See Sewer Construction.

Ky., Bowen—W. O. Dunham Oil Co., capital \$32,000, incorporated; W. O. Dunham, J. L. Wetzel.

Ky., Louisville—Stafford-O'Brien Oil & Gas Co., capital \$100,000, incorporated; B. J. O'Brien, Ralph Stafford.

La., Shreveport—See Land Development.

Miss., Biloxi—Superior Oil Co. increased capital, \$25,000 to \$50,000.

Miss., Ocean Springs—Superior Oil Co., capital \$15,000, incorporated; John Drysdale, A. J. Catchet.

Mo., Springfield—Springfield Oil Co., capital \$20,000, incorporated; J. W. Robberson, 977 S. Weller St.

Mo., St. Louis—National Refining Co., incorporated; C. S. Smith, 3935 Lafayette Ave. Okla., Muskogee—Cromwell Oil and Gas Co. increased capital, \$300,000 to \$500,000.

Okla., Sapulpa—City votes Aug. 12 on granting natural gas franchise. Address The Mayor.

Okla., Tulsa—Dyck Oil Co., capital \$50,000, incorporated; H. D. Cornell, 424 N. Boulder St.

Okla., Tulsa—Oklahoma Natural Gas Co., R. C. Sharp, V. P., 1606 S. Newport St., reported to spend \$1,000,000 during 1925 for improvements, including 8-in. pipe line, compressor station in Osage County.

S. C., Charleston—Standard Oil Co., Peoples Bldg., will erect 4 storage tanks, capacity 84,462 bbls.; construction by company's forces.

Tenn., Memphis—Valley Oil Co., 928 Linden St., increased capital, \$100,000 to \$1,000,000.

Tex., Amarillo—South Hutchinson Oil Co., capital \$104,000, incorporated; W. T. Coble, J. I. Steele.

Tex., Bryan—Bryan Oil and Production Co., capital \$16,000, incorporated; M. W. Sims, W. H. Lawrence.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Tex., Dallas—Putman Oil Co., capital \$14,000, incorporated; W. L. Goldston, Magnolia Bldg.

Tex., Houston—Moody Gulf Gas Co., W. L. Moody, 3rd. 2818 J St., Galveston, reported let contract to Hope Engineering & Supply Co., Mount Vernon, Ohio, for 150 miles of 6-in. trunk gas line from Refugio, Edna and Markham gas fields to Houston; Youngstown Sheet & Tube Co. will furnish pipe; line reported to cost \$6,000,000, including field connections, booster stations.

Tex., Houston—Liberty Pipe Line Co., capital \$400,000, incorporated; B. T. McNeil, 1420 Sul Ross St., H. R. Bennett.

Tex., Hull—Sterling Oil Co., capital \$50,000, incorporated; Wm. A. Semerak, E. J. Fountain.

Tex., San Antonio—San Antonio Public Service Co., E. H. Kifer, Gen. Mgr., will construct 12-in. high-pressure gas main; cost \$25,000; construction by day labor.

Tex., San Antonio—Simp Oil Co., capital \$75,000, incorporated; H. B. Slimp, 226 Los Angeles St.

Tex., Tyler—Commercial Gas Co., W. H. Sedberry, Shreveport, La., has gas franchise; will construct transmission line.

Va., Weyers Cave—Blue Ridge Oil Co., capital \$10,000, incorporated; B. L. Showalter, N. I. Kagey.

W. Va., Blacksville—Swastika Oil and Gas Co., capital \$75,000, incorporated; D. M. Willis, J. G. Smith.

W. Va., Huntington—Home Gasoline & Oil Co., capital \$200,000, incorporated; C. B. Brown, Adelphi Hotel.

W. Va., Spencer—Standard Oil Co. of New Jersey reported to construct distributing plant at Nancy's Run; cost \$75,000.

### Ice and Cold-Storage Plants

Ala., Bessemer—American Ice Co. contemplates plant addition, install complete refrigeration equipment.

Fla., Fort Lauderdale—Southern Utilities Co., Palatka, Fla., plans erecting ice plant; daily capacity 90 tons; have begun dismantling old buildings.

Fla., Miami—Little River Ice & Cold Storage Co., capital \$75,000, incorporated; J. C. Pereno, Pres., 521 S. W. Eighth Ave.

Ky., Paducah—Meizger Bros. let contract to Geo. W. Katterjohn & Son, 1919 Jefferson St., for \$50,000 packing house and cold storage house; brick and reinforced concrete, fireproof; install electrically driven packing-house machinery and equipment.

N. C., Tryon—Home Ice Plant, Inc. L. and M. B. Jackson, Owners, will erect 33x50-ft. ice plant, install machinery.

S. C., Rock Hill—Tri-City Fruit Co. will build \$12,000 cold-storage plant, capacity for storage 10 cars produce; to be completed by September 1.

Tex., Anson—Polar Ice Co., O. H. Hammer, Pres., has new building, let contract for complete ice equipment, daily capacity 15 tons.\*

Tex., Marshall—Marshall Ice Co. increased capital, \$165,000 to \$315,000.

Tex., Nederland—See Electric Light and Power Plants.

Tex., Laredo—Home Ice Co., 102 E. Josephine St., reorganized; L. L. Stephenson, Pres., San Antonio; increased capital, \$150,000 to \$200,000.

Va., Bristol—Bristol Coal & Ice Co., Inc., increased capital, \$75,000 to \$115,000.

### Land Development

Ala., Birmingham—Greenwood Cemetery Co., incorporated; W. G. Mason, R. T. Jackson.

Ala., Birmingham—Merchants Realty Corp., capital \$12,000, incorporated; I. Jaffee, 2214 First Ave.

Ala., Birmingham—Glen View Realty Co., capital \$10,000, incorporated; R. H. Orr, 2418 19th Ave.

Ala., Birmingham—Shades Valley Land Co., incorporated; Nisbet Hambaugh, First National Bank Bldg.

Ala., Birmingham—S. A. M. Realty Corp., incorporated; S. A. Moore, 1403 12th Ave.

Ala., Montgomery—Montgomery Country Club will develop golf course, plans artificial lake; plans by J. B. McGovern.

Ala., Opelika—Robertson & Co., capital \$10,000, incorporated; A. E. Robertson, L. O. Jones.

Fla., Apopka—M. E. Miller Realty Corp. acquired Shell Island; will develop.

Fla., Arcadia—Garden Halls Development Co., capital \$1,000,000, incorporated; Frank E. McGuire, Owen L. McGuire.

Fla., Arcadia—Suwannee River Holding Co., incorporated; J. C. Ambler, Elizabeth Hurt.

Fla., Bartow—Joe B. Johnston and Leonard Lefeste will develop Orange Court subdivision; install streets, water, sewer, lights.

Fla., Bradenton—Syndicate Land Corp., capital \$10,000, incorporated; Fred T. Sausy, Charles W. Ward.

Fla., Bradenton—Great Southern Investment Co., 515 Main St., incorporated; Ernest Stadel, Pres.

Fla., Bradenton—Alva Arnold, Monroe, Ga., acquired 80-acre tract near Erie.

Fla., Dania—Mason-McCarrell Realty Corp. incorporated; E. E. Mason, G. E. McCarrell.

Fla., Daytona—Marvin Corp., capital \$100,000, incorporated; Max Roth, 106 S. Beach St.

Fla., DeLand—L. L. Hamilton Realty Co. acquired 1000 acres of land north of Pierson and will develop townsite; install roads and streets, water, electric lights.

Fla., DeLand—J. C. Sewell acquired 120 acres of land; will develop subdivision; install water, sewers, roads and streets.

Fla., Delray—Hall Realty Co., capital \$25,000, incorporated; Emmett C. Hall, A. T. Repp.

Fla., Eustis—Weiss Realty Co., Templar Realty Co., Ulmer Bldg., Cleveland, Ohio, and F. H. Boedeker, Eustis, acquired 1200 acres of land in Lake County; will develop subdivision.

Fla., Fort Meade—L. A. Morgan & Co., acting for Georgia interests, will develop 130 acres for suburban development; construct streets.

Fla., Frostproof—Orange Lake Corp., Citra, L. Maxey, Pres., has 1000 acres of land; will develop for citrus groves and truck farms and townsite; details not fully determined.\*

Fla., Gainesville—Lakeside Estates, Inc., Fred T. Sumner, Pres., 218 Hall Bldg., St. Petersburg, will develop 1000 acres of land for subdivision; construct paved streets, sidewalks, water, electric lights; Geo. F. Young, 213 Sumner Bldg., Landscape Archt., St. Petersburg.\*

Fla., Homestead—Porcenier Co., Johns S. Harris and associates interested in development of 165 acres for subdivision; install roads, water, sewers, electric lights.

Fla., Jacksonville—Gordon Ware, Inc., capital \$50,000, incorporated; Gordon Ware, Lloyd Ainsworth.

Fla., Jacksonville—Associated Properties, Inc., J. C. Lanier, Sec., 3610 Pine St., will develop 53 acres land for subdivision; install streets, electric lights, water, sewers.\*

Fla., Jacksonville—R. R. Roshorrough, capital \$100,000, incorporated; R. R. Roshorrough, M. Engel, 1335 Walnut St.

Fla., Jacksonville—Southeastern Land Co., capital \$15,000, incorporated; L. B. Jones.

Fla., Jacksonville—Realty Syndicate, capital \$100,000, incorporated; Alfred C. Ulmer, 2820 St. Johns Ave.

Fla., Jacksonville—Investment Properties, capital \$100,000, incorporated; John S. Porter, Ortega St.

Fla., Jacksonville—G. R. Wilson Development & Sales Co. and Chicago (Ill.) capitalists will develop Neilhurst subdivision.

Fla., Jacksonville—N. D. Suttles & Co., 300 W. Forsyth St., is developing 40 acre subdivision at Atlantic Beach; will pave streets, install lights, sewer and water; expend \$150,000.\*

Fla., Jacksonville—Bryant and Edwards Realty Co., South Jacksonville, acquired 41-acre tract; will develop.

Fla., Key Largo—W. W. and T. T. Thompson are developing 40-acre tract for subdivision; install streets.

Fla., Key West—Florida Keys Bond & Mortgage Co., Inc., 110 E. Forty-second St., New York, W. F. Burns, Pres., will develop 50 acres of land for subdivision; will clear, fill, grade, construct sidewalks, yacht basin.\*

Fla., Kissimmee—Hobart Canady acquired tract of land; will develop subdivision.

Fla., Kissimmee—Paul C. Rouse sold to Miami syndicate tract of 65 acres in Idora Park; develop subdivision.

Fla., Lakeland—Smith-Wright Co., Inc., A. C. Wright, Sec., will develop 50 acre subdivision; expend \$75,000 paved streets, light, sewers, water, gas and electric.\*

Fla., Leesburg—Mackenzie-Fennell-Seng Realty Co., capital \$250,000, incorporated; W. A. Mackenzie, S. W. Hamilton.

Fla., Melbourne—Frank B. Drouillard interested in development of Magnolia Park subdivision of 740 acres.

Fla., Melbourne—Melbourne Beach Estates, capital \$150,000, incorporated; W. J. Breen, Z. V. Hooker.

Fla., Melbourne—Israel and Matthews, Inc., capital \$250,000, incorporated; C. Sam Israel, David Peel.

Fla., Melbourne—Melbourne Investment Co., capital \$25,000, incorporated; James T. Hoag, Fred W. Butler.

Fla., Miami—Lawton-Gornto Realty Co., capital \$25,000, incorporated; J. C. Lawton, 229 N. W. Tenth Ave.

Fla., Miami—Moss-Miami Properties, capital \$25,000, incorporated; Wm. R. Moss, 1358 N. W. Seventh St.

Fla., Miami—Bridgeport Realty Co., capital \$100,000, incorporated; Charles Ress, Wm. Howard.

Fla., Miami—Manivista Realty Co., incorporated; S. Horowitz, 59 N. W. 5th St.

Fla., Miami—Milton Properties, capital \$100,000, incorporated; Oscar W. Maynard, 320 Fort Dallas Park.

Fla., Miami—Bowman Boss Co., capital \$50,000, incorporated; Maurice Gold-Boss, Walter Bowman.

Fla., Miami—Home Realty Co., capital \$200,000, incorporated; Walter D. Payne, 501-3 Lawyers Bldg.

Fla., Miami—David Afremon, capital \$500,000, incorporated; David Afremon, A. S. Sherman.

Fla., Miami—Payne Holding Co., capital \$100,000, incorporated; L. W. Shaw, 265 N. E. 19th St.

Fla., Miami—Hoosie Holding Co., capital \$15,000, incorporated; Eugene W. Vasvary, O. L. Cruzen.

Fla., Miami—Lapin-Goodman Realty Co., capital \$500,000, incorporated; Samuel Lapin, Tobias Lapin.

Fla., Miami—Rich & Kite-Powell, 251 E. Flagler St., Selling Agents for Golf Park, will install streets, sidewalks, water and electric lights and golf course in subdivision.

Fla., Miami—Logan Land Co., capital \$40,000, incorporated; Frank H. McKay, Harold G. Sweet.

Fla., Miami—Fifth Street Properties, capital \$100,000, incorporated; L. C. Gardner, 231 N. W. Second St.

Fla., Miami—Eustis Properties, capital \$30,000, incorporated; C. H. Nelson, 3620 N. E. First St.

Fla., Miami—Porter-Piper Properties, Inc., chartered; E. L. Porter, E. L. Piper.

Fla., Miami—Broadway Business Properties, capital \$20,000, incorporated; D. H. Weinstein, 254 N. E. 34th St.

Fla., Miami—Sunnyland Corp. acquired 2000 acres of land along Dixie Highway; will develop subdivision; Florida Enterprises, Inc., 218 N. E. Second St., has contract for development work.

Fla., Miami—Northern Investors, Inc., capital \$50,000, incorporated; L. B. Kirkpatrick, E. H. Champany.

Fla., Miami—Fowler-Rood Co., Inc., capital \$100,000, incorporated; M. N. Fowler, Arthur Rood.

Fla., Miami—Columbus Land Co., capital \$250,000, incorporated; A. A. White, 29 N. E. Third Ave.; C. F. Wiebush.

Fla., Miami—H. B. Investment Co., capital \$50,000, incorporated; Bernard Bush, Nathan Hein.

Fla., Ormond—Dixie-Bay-Shore Realty Co., F. A. Bennett, Sec., 303 Coolidge Bldg., Miami, capital \$3,000,000, acquired 1300 acres of land and will develop Ormond-on-the-Bay; construct 80-ft. highway; install white way; dredge inlet; build 18-hole golf course.

Fla., Orlando—Golden Rule Land Co., capital \$250,000, incorporated; W. L. Stillwell, W. C. Shirsey.

Fla., Orlando—Cooper-Atha-Barr Co., S. H. Atha, acquire 50 acres of land for development of subdivision; install water, sewers, roads, electric lights.

Fla., Punta Gorda—Turn-Over Realty Co. incorporated; C. W. Griggs, George A. McLane.

Fla., Quincy—Quincy Realty Co., capital \$10,000, incorporated; L. A. Bell, J. C. Davis, Jr.

Fla., Quincy—West Coast Realty Co., capital \$50,000, incorporated; C. R. Shaw, Julian Harvard.

Fla., Sarasota—City voted \$225,000 park bonds. E. J. Bacon, Mayor.

Fla., Sarasota—West Florida Sales Corp.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

capital \$50,000, incorporated; W. G. Harrison, Paul C. Albritton.

Fla., Sarasota—D. W. Newton and Albert W. Cohn, Pres., Robert S. Strauss Bond & Mortgage Co., 108 S. Lasalle St., Chicago, Ill., reported interested in development of 480 acres on Tamiami Trail.

Fla., Sebring—See Sewer Construction.  
Fla., Sebring—Wm. E. Steyding, 868 Rockefeller Bldg., Cleveland, Ohio, will develop 200 acres of land on Lake Jackson for subdivision; R. Munz, Landscape Archt., Lovely Ave., Cleveland, Ohio; construction by owners.\*

Fla., South Jacksonville—Gateway Realty Co., capital \$25,000, incorporated; J. C. Durrance, 121 E. Forsyth St.

Fla., St. Augustine—Carl W. Hawkins and associates acquired 25,000 acres of land on Dixie Highway.

Fla., St. Augustine—Edw. E. Warwick Realty Co., capital \$25,000, incorporated; Edw. E. Warwick, Frank D. Upchurch.

Fla., St. Augustine—P. A. Wolfe, 313 St. George St., acquired 175 acres on Dixie Highway.

Fla., St. Augustine—Harry Cohn and Charles Groh, 81 Saragossa St., of Edw. E. Warwick Realty Co., acquired and will develop 38 acres on Anastasia Island.

Fla., St. Petersburg—Peninsular Land Co., capital \$50,000, incorporated; H. Harris, A. O. Deming.

Fla., St. Petersburg—Sapper & Erkes, Inc., chartered; O. A. Sapper, Jacob Erkes.

Fla., St. Petersburg—Whitcomb Heights Co., capital \$1,000,000, incorporated; E. S. Roll, Orange, N. J.; L. V. Oakes, Maplewood, N. J.

Fla., St. Petersburg—St. Petersburg and Fort Myers Land Co., capital \$35,000, incorporated; C. H. Kicker, J. C. Davant.

Fla., St. Petersburg—E. Tadd Little, capital \$50,000, incorporated; Edith Tadd Little, Louis A. Hillard.

Fla., Stuart—Martin County Realty Co., capital \$25,000, incorporated; Daniel Coleman, Jr., R. C. Coleman.

Fla., Stuart—D. J. Conroy and John W. Humphreys, Granada Blvd., Miami, acquired 7000 acres of land; will develop townsite.

Fla., Stuart—Blowing Rocks Co., Inc., B. G. Carlburg, Pres., will develop tract of land with 9000 ft. of ocean frontage.

Fla., Stuart—W. F. Grose, E-505 13th Ave., St. Petersburg, acquired 22,640 acres of land including town of Odessa; will develop.

Fla., Stuart—W. E. Roebuck, West Palm Beach, and associates, acquired 25 acres of pineapple land; will subdivide.

Fla., Taft—B. F. Cleveland acquired 20 acres near Lake Davis; develop peach orchard.

Fla., Tampa—Cross Bayou Tracts, capital \$3,000, incorporated; T. E. Lucas, Lucas Bldg.

Fla., Tampa—Jay G. Wilbraham, Hotel Gladstone, New York, acquired 526 acres land in Manatee County; develop orange grove and subdivision.

Fla., Tampa—Gillett, Fowler & Co. sold to Philadelphia, Pa., capitalists tract of 1680 acres on Memorial Highway.

Fla., Tampa—The Tampa Realities, capital \$15,000, incorporated; Douglas McMichael, 104 W. Francis Ave.

Fla., Tampa—T. S. Clarke Holding Co., capital \$25,000, incorporated; R. E. Householder, 100 S. Jefferson St.

Fla., Tampa—Akron-Florida Land Co., capital \$50,000, incorporated; C. V. Starkey, 105 E. Lafayette St.

Fla., Tampa—Tampa Development, Inc., A. J. Simms, Pres., Room 13, Citrus Exchange Bldg., will develop 1000 acres of land for subdivision; build bridge; expend \$250,000.\*

Fla., Tampa—Lucas-Trice Holding Co., capital \$200,000, incorporated; T. E. Lucas, Lucas Bldg.

Fla., Vero Beach—Abraham Lipton, 60 Broadway, New York, acquired 60 acres of land; develop subdivision.

Fla., West Palm Beach—Anthracite Investment Co., capital \$100,000, incorporated; John Zimmer, Clarence P. Grill.

Fla., West Palm Beach—Seneca Realty Corp., capital \$50,000, incorporated; Fred Goldsmith, H. C. Fisher.

Fla., West Palm Beach—City votes July 29 on \$508,000 bonds for park improvements. Address City Mgr.

Fla., West Palm Beach—Roger L. Dowd, capital \$10,000, incorporated; Roger L. Dowd, Joseph H. White.

Fla., West Palm Beach—A. E. Parker Realty Co., capital \$50,000, incorporated; A. E. Parker, M. D. Carmichael.

Fla., West Palm Beach—Acron Enterprises, capital \$100,000, incorporated; A. Komblum, Howard G. Rice.

Fla., West Palm Beach—Ridgewood Development Co., capital \$200,000, incorporated; J. W. Cherry, Meade C. Dobson.

Fla., West Palm Beach—John Zimmer Co., capital \$100,000, incorporated; John Zimmer, Clarence P. Grill.

Fla., Winter Haven—W. F. Boyd interested in development of The Terrace, subdivision of 100 acres on Eagle Lake; construct streets and boulevards; water, sewers, electric lights.

Ky., Henderson—Fair Grounds Holding Co., capital \$25,000, incorporated; Joe K. Lockett, R. H. Sellars.

Ky., Newport—Newport Realty Co., capital \$25,000, incorporated; John P. Eviston, Charles M. Clarior.

Ky., Paducah—Lake View Country Club, capital \$70,000, incorporated; Herbert Melton, Davis Apts.

La., Shreveport—North Shreveport Realty Co., E. R. Bernstein, Pres., 1309 Texas Ave., is developing 500-acre subdivision near Cross Lake; construct streets, golf course, 160-acre park, gas, electric lights, water.

La., Shreveport—J. W. Roby, 431 E. College St., and Albert Witt interested in development of tourist park.

La., Tallulah—McCaffrey Realty Co., Inc., capital \$25,000, chartered; Jack McCaffrey, L. M. Spencer.

La., Vidalia—Levy Land Co., capital \$50,000, incorporated; Maurice Levy, 8337 Pansola St., New Orleans.

Miss., Biloxi—H. S. Shimp, Chicago, Ill., acquired Holmehaven; will develop subdivision; construct bulkhead.

Miss., Gulfport—Gulf Cities Investment Co., 1412 Twenty-seventh St., capital \$25,000, incorporated; E. M. Hampton, W. C. Dunham; develop subdivision.

Miss., Hattiesburg—Park Haven Co., capital \$40,000, incorporated; T. D. Davis, G. S. Harmon.

Mo., DeSoto—DeSoto Cemetery Co. incorporated; E. C. Edgar, C. H. Barnhart.

Mo., Kansas City—Missouri Real Estate Co., capital \$100,000, incorporated; Watt Webb, Jr., 920 Walnut St.

Mo., St. Louis—Larimore Realty and Investment Co. incorporated; Edna E. Ungerman, 1409 A St. Ange.

Mo., St. Louis—Lakewood Golf and Country Club, incorporated; Robert J. Campbell, 3235 Lawton St.

Mo., St. Louis—St. Paul Evangelical Church, 3510 Giles Ave., W. H. Kruse, Woodlawn & Kirkham Aves., Comm't., acquired tract of land; will develop cemetery, expend \$500,000 on improvements.

Mo., St. Louis—Ben Althelmer and Bros. Realty Co., Wainwright Bldg., acquired 196 acres of land and will develop subdivision; install roads, streets, water, sewers, electric lights.

N. C., Arden—F. E. Lykes & Co., capital \$200,000, incorporated; F. E. Lykes and John J. Burton.

N. C., Asheville—Meadow Realty Co. increased capital, \$50,000 to \$500,000.

N. C., Charlotte—Pharr Estates, Inc., Providence Rd., will develop 50 acres for subdivision; contemplate installation of sewer system, sidewalks, street paving; Wm. W. Smith, Constr. Engr., Commercial Bank Bldg.\*

N. C., Warrenton—Warrenton Golf Club incorporated; W. H. Dameron, M. C. McGuire.

N. C., Wilmington—City Council will acquire Greenfield Park.

N. C., Wilmington—City Commrs. will develop 158 acres of land for park.

N. C., Wrightsville Beach, P. O. Wilmington—Shore Acres and Causeway Companies, care of Raymond Hunt, Genl. Mgr. Tide Water Power Co., has engaged Arthur W. Cowell, Landscape Archt., State College, Pa., to make comprehensive study of causeway and real estate development on Harbor Island; plan to develop initially 250 lots on Harbor Island and reclaim land by dredging; ultimate development of additional areas

of several hundred acres; will use certain forms of vegetation for decorative purposes and opening up driveways as additional feeders to causeway development.

Okla., Tulsa—City Camp Co., capital \$75,000, incorporated; C. F. Camp, 14 E. Seventh St.

Okla., Oklahoma City—City, Joe H. Patterson, Commr. contemplates improvements to Lincoln Park.

S. C., Charleston—Yellowstone Realty Co. incorporated; Sidney Rittenberg, 55 Broad St.

S. C., Chester—Ralph H. McFadden interested in development of 100 acres for golf course; 6-acre lake, install electric lights, water works, roads and streets.\*

S. C., Chester—Chester Country Club will develop 65 acres for golf course.

S. C., Columbia—Metropolitan Realty Co. incorporated; Wm. R. Scarborough, 1425 Main St.

S. C., Johnsonville—Peoples Warehouse Co., incorporated; P. Cockfield, E. A. Husbanck.

Tenn., Chattanooga—Terrace View Land Co., Fred H. Cantrell, Pres., 905 Oak St., will develop 50 acres of land for subdivision; install streets, water, sewers; expend \$100,000.\*

Tenn., Chattanooga—Chattanooga & Lookout Mountain Park, R. B. Vooke, 830 Vine St., interested in development of 3000 acres of land for park; E. E. Betts, Engr., James Bldg.; Henry B. Herts, Landscape Archt., 25 W. 43rd St., New York.

Tex., Cuero—Runge & Co. will develop 30-acre subdivision; install streets and concrete sidewalks.

Tex., Dayton—Dayton Development Co., capital \$10,000, incorporated; T. H. Shaw, J. E. Berry.

Tex., El Paso—Frontier Improvements Co., capital \$25,000, incorporated; O. R. Armstrong, 1724 Arizona St.

Tex., Fort Worth—Jacksonville Land Co., incorporated; J. G. Clark, B. Burnett Bldg.

Tex., Galveston—C. B. Adsit, Civil Engr., Memphis, Tenn., has prepared plans for development of Galveston Memorial Park cemetery.

Tex., Houston—City Council is considering development of civic center; have plans by City Planning Comsn.

Tex., Port Arthur—City Commrs. let contract to Martin Lumber Co., 400-420 Sixth St., to furnish city 1160 bags of cement; Port Arthur Building Material Co., Thirteenth St. and Fort Worth Ave., five carloads gravel; J. Imhoff & Sons, 341 Fort Worth St., 3 carloads of sand for improvement work at city parks.\*

Tex., Wichita Falls—Westmoreland Park Co., Jno. Thomas, Pres., let the following contracts for residential development to Redwood Pipe Manufacturing Co., San Francisco, Calif., at \$70,000 for constructing mains and laterals for first unit of water works system; C. H. McClellan, 1402 Travis St., for construction of water storage reservoir; to Fairbanks-Morse Co., N. Market St., Dallas, for supplying pumping equipment; P. A. Welty, Engrs., 1006 Staly Bldg., Wichita Falls.\*

Va., Richmond—Lorraine Land and Improvement Corp. acquired 136 acres of land; will develop golf course.

Va., Richmond—Wm. Flynn, 1627 Sansom St., of Phila., Pa., reported to plan development of golf course for Country Club of Virginia.

Va., Virginia Beach—Jacob and Elmer R. Laskin, Mt. Vernon, New York, acquired through S. L. Nusbaum & Co., Citizen Bank Bldg., and F. A. Van Patten, Norfolk, tract of land and will develop subdivision.

Va., Woodstock—Shenandoah National Park Assn., H. J. Benchoff, Pres., will develop 400,000 acres of land for National Park.

W. Va., Huntington—Dalton-Miller Realty Co., capital \$2,000,000, incorporated; E. L. Miller, 738 Fourth Ave.

W. Va., Huntington—Enslow & Garred Land Co., capital \$25,000, incorporated; George C. Garred, First National Bank Bldg.

W. Va., Wheeling—State Development Co., capital \$100,000, incorporated; M. D. Hudson, C. C. Pugh, 107 N. York St.

### Lumber Enterprises

Fla., McMeekin—Hayes & Oakes Lumber Co., capital \$100,000, incorporated; Joseph H. Hayes, C. C. Douglas.

Fla., Ormond—Ormond Lumber Co., capital \$50,000, incorporated; C. S. Garretson, D. R. Winn.

Fla., Pace—Pace Lumber Co., Burgess Pace,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



will rebuild burned plant, daily capacity between 25,000 and 50,000 ft.\*

Fla., Pensacola—See Miscellaneous Enterprises.

Fla., St. Petersburg—Hendry Lumber Co., capital \$100,000, incorporated; W. A. Hendry, E. K. Foster.

Ga., Atlanta—J-D Lumber Co., 403 Georgia Savings Bank Bldg., B. G. Jeffries, W. A. Dolph.

Ga., Valdosta—Weston Lumber Co., 400 1/2 S. Toombs St. completed plant improvements and additions; will install planer and matcher, band saw and other wood-working machinery; daily output about 10,000 ft. finished lumber.\* (See Machinery Wanted—Woodworking Machinery.)

La., Mansfield—Star Lumber Co., Inc., capital \$10,000, chartered; T. J. Lawrence, F. M. Smith.

S. C., Wallaceville—Blackwood Lumber Co., capital \$10,000, incorporated; C. A. Wilkie, E. O. Thomas.

S. C., Yemassee—Yemassee Timber Corp., capital \$25,000, chartered; Randolph Murchaugh, F. W. Scheder, Jr.

Tenn. Memphis—York Mill & Lumber Co., capital \$25,000, incorporated; W. E. Scott, 247 Cossitt St.

### Mining

La., Haynesville—J. R. Beville Gravel Co., Inc., capital \$25,000, chartered; J. R. Beville, B. L. Beville.

La., Minden—Spencer Gravel Co., Inc., capital \$24,000, chartered; Geo. B. Spencer, W. C. Fulbright.

Mo., Duenweg—Lead and Zinc—Log Cabin Mining Co., capital \$10,000, incorporated; A. J. Burnham, H. W. Blair.

Mo., Pacific—Stone-Advance Industrial Supply Co., capital \$20,000, incorporated; S. G. Wright, E. E. Stephenson.

N. C., Badin—Aluminum Co. of America, Oliver Bldg., Pittsburgh, Pa., making plant improvements; let contract to Budd-Piper Roofing Co., Chapel Hill, Durham, N. C., to reroof about 15 buildings.

Tex., Marble Falls—Texas Pink Granite Co., recently organized, is co-partnership composed of Edward J. Davey, 801 E. 134th St., and Robt. D. Clarke, of New York and Thomas Darragh and Geo. G. Darragh, Marble Falls.\*

Va., Shawsville—Stone, etc.—Shawsville Investment Corp., capital \$25,000, incorporated; C. A. Albert, S. C. Sneed.

### Miscellaneous Construction

Ala., Hartselle—Dam, etc.—Hartselle Fishing Club let contract to Burleson & Dunaway for dam across Shoal Creek and construct artificial lake.

Fla., Bradenton—Seawall—W. H. Brown and associates interested in constructing seawall along entire river front of the Manatee River in Ellenton with boulevard to cover distance and connect with principal highways.

Fla., Clearwater—Bulkhead—Pinellas County Commrs. let contract to Warn & Latham at \$75,000 for concrete bulkhead along the fill.

Fla., Hollywood—Harbor—Hollywood Land & Water Co. of Florida, F. V. DanDeren, V. P., advises: Have begun construction work on harbor at Lake Mable; purchased additional equipment of two sixteen-in. dredges from Ellicott Machine Co., Bush and Severn Sts., Baltimore, Md.; all construction work done by company forces.\*

Fla., Ormond—See Land Development.

Fla., Fort Lauderdale—Pier, etc.—City has plans by John M. Peterman, Archt., for proposed \$300,000 municipal pier for Las Clas Beach; drawings show concrete causeway 25 ft. wide, running 300 ft. into ocean from shore line, connecting with two-story pier building 300 ft. long, 150 ft. wide, with concrete driveway with parking space; construction to be at foot of Las Clas Blvd., which propose to widen to 100 ft., street with white way and wide sidewalks.\*

Fla., Miami—Speedway—Miami Fulford Speedway Co. let contract to Drake Lumber Co., 601 N. Miami Ave., Miami, to furnish lumber for \$1,250,000 speedway, consists of about 2,500,000 ft. Florida dense longleaf yellow pine.\*

Fla., Plant City—Swimming Pool—City interested in constructing municipal swimming pool. Address City Clerk.

Fla., Sanford—Earth Fill—See Bridges, Culverts, Viaducts.

Fla., Sebring—Incinerator, etc.—City voted

\$25,000 bonds for garbage disposal plant and \$75,000 for park and piers. Address City Commrs.

Fla., St. Petersburg—Incinerator—City votes Sept. 8 on \$1,000,000 bonds for new incinerator plant; R. S. Pierce, Mayor; S. S. Martin, Director of Finance.

Fla., West Palm Beach—Seawall, etc.—City, Henry Stephen Harvey, Mayor, votes July 29 on \$220,000 bonds for seawall construction and \$80,000 bonds for incinerators.\*

La., Baton Rouge—Louisiana Highway Coman., Raymond Bldg., receives low bid from J. T. Calmes, Livingston St., Baton Rouge, for changing channel of Anite River.\*

La., Monroe—Incinerator—City will erect \$12,000 incinerator plant on Eleventh St. Address City Clerk.

La., Mooringsport—Dam—Maj. J. L. Schley, Dist. Engr., Galveston, Tex., expending \$100,000 on repairs to Caddo Lake dam, consisting of placing steel sheet piles and rip rap below dam to resist erosion; construction by day labor.\*

Miss., Biloxi—Bulkhead—See Land Development.

N. C., Wrightsville Beach, P. O., Wilmington—See Land Development.

Okla., Wynnewood—Swimming Pool—City, M. H. Zeal, Clerk, will construct \$35,000 swimming pool, including 3 mi. pipe line; V. V. Long & Co., Engrs., Concord Bldg., Oklahoma City.

Tex., Dallas—Speedway—Greater Texas Speedway chartered; J. F. Bruce, G. H. Salisbury; construct automobile speedway.

Tex., Dallas—Swimming Pool—Howard Wester, Scout Executive, will expend \$10,000 on improvements to Camp Wisdom, including 50x100-ft. concrete swimming pool, deep well, etc.

Tex., Denton—Swimming Pool—Dr. R. L. Marquis, Pres., North Texas State Teachers College, has plans for \$12,000 swimming pool, 130x50-ft., reinforced concrete; also enlarging heating plant, install 2 additional high-pressure boilers, estimated cost \$30,000; Hugo J. P. Vitz, Engr.

Tex., Houston—Subways—See Road and Street Construction.

Tex., Houston—Pier—Raymond Concrete Pile Co., 1014 Keystone Bldg., has contract at \$25,700 for construction of pier for turning basin district, creosoted landing piles and timber walkways for pier No. 14 and reinforced concrete piling and space for grain elevator conveyors; Jas. A. Schiller, Engr., Courthouse Bldg.\*

Tex., Port Arthur—Wading Pool, etc.—City, J. P. Logan, Mayor, has \$19,500 available to install wading pools, playground equipment, fountains, sidewalks, etc., in municipal parks.

Tex., San Antonio—Subway—See Railway Shops and Terminals.

Tex., Wharton—See Drainage, Dredging and Irrigation.

### Miscellaneous Enterprises

Ala., Anniston—I. T. Quinn, Commr. of State Game and Fish Dept., and C. A. Bullock of Government Fish Hatcheries at Warm Springs, Ga., contemplating surveys for fish hatchery in southern part of the county.

Ala., Birmingham—McGoughs Bakeries Corp., increased capital, \$15,000 to \$25,000.

Ala., Birmingham—Electric Blue Printing Co., Woodward Bldg., reorganized, P. L. Dryer, Pres.

Ala., Mobile—Engineering—A. K. Miller Engineering Co., Inc., 112 N. Water St., capital \$25,000, chartered; A. K. Miller, 109 Tchoupitoulas St., New Orleans, La.; C. V. Flanning, Gen. Mgr.

Ala., Sheffield—Muscle Shoals Hotel Co., capital \$10,000, incorporated; Sam W. Kendall, Thurmond Harris.

Ark., Little Rock—Preston-Toney Printing Co., capital \$20,000, incorporated; Leonard W. Preston, Pres.

Fla., Arcadia—Home Service Laundry will erect \$150,000 building; Woolpert & Brown, Archts.

Fla., Coral Gables—Coral Gables Rapid Transit Co., capital \$250,000, incorporated; Geo. E. Merrick, Pres.; F. W. Webster, Sec.

Fla., Fort Lauderdale—Broward Awning & Drapery Co., capital \$10,000, incorporated; R. W. Waller, Fred W. Lawshe.

Fla., Fort Lauderdale—Stewart-Martin Construction Co., capital \$10,000, incorporated, M. K. Stewart, C. L. Martin.

Fla., Haines City—Saffer Advertising Agency, capital \$10,000, incorporated; Rex Saffer, Robert T. Dewell.

Fla., Jacksonville—Robert M. Jones let contract to H. F. McAliden, Roverside Ave., at \$18,000, for 35x95-ft. building, brick walls, concrete floor and roof; structure leased to Universal Exchange, Inc.; Roy A. Benjamin, Archt., Bisbee Bldg.\*

Fla., Jacksonville—Florida Beach Corp. organized will be building company of Florida Beach amusement and residential development between Jacksonville and Atlantic beaches; expend probably \$1,500,000 on buildings, etc.; John Miller, 1009 E. Ashley St., has contract for amusement park; Roy A. Benjamin, Archt., Bisbee Bldg.

Fla., Jacksonville—Refrigeration Sales Co., capital \$100,000, incorporated; A. A. Drennan, 1808 Lackawana St.

Fla., Lakeland—Home Builders Supply Co., capital \$100,000, incorporated; M. L. Fleishel, Wm. J. O'Brien.

Fla., Miami—Normandy Apartments, Inc., capital \$20,000, chartered; Samuel Caplan, Edward Weinberg.

Fla., Miami—Henry E. Kellar Engineering & Construction Co., capital \$10,000, incorporated; J. H. Harvey, 164 N. E. 11th St.

Fla., Miami—Industrial City Shoe & Leather Co., capital \$25,000, incorporated; Raymond P. Berg, Carl Kreinder.

Fla., Miami—Biltmore Apartment, Inc., capital \$50,000, Walter D. Payne, 130 Ocean Dr.

Fla., Miami—W. A. Dickenson Transfer Co., capital \$10,000, incorporated; W. A. Dickenson, D. E. Jackson.

Fla., Miami—Allapattal Hardware Co., capital \$15,000, incorporated; Robert S. Shingler, 877 S. W. Second St.

Fla., Miami—Diffin Hotel & Realty Co., capital \$50,000, incorporated; J. C. Diffin, H. C. Diffin.

Fla., Miami—Miami Septic Tank Corp., capital \$25,000, incorporated; H. M. Benkhead, C. F. Brock.

Fla., Miami—McFarland Tent & Awning Co., capital \$40,000, incorporated; W. W. McFarland, 633 N. W. 12th Ave.

Fla., Pensacola—Pensacola Crooketing Co., C. H. Sexton, Gen. Mgr., acquired 7000 acres land and standing timber of about 2500 acres, will develop.

Fla., Sarasota—Sarasota Herald Co., capital \$100,000, incorporated; David P. Lindsey, E. E. Naugle.

Fla., Sarasota—D. A. Applas of Lima, Ohio, let contract to Leadley Ogden for \$30,000 laundry building on Osprey Ave. to be known as Lily White Laundry; first unit to be 2-story, 50x100-ft., stone and reinforced concrete.

Fla., Stuart—Tomasello Construction Co., re-organized; R. Tomasello and T. L. Holland of Miami.

Fla., St. Petersburg—Ponce De Leon Sanitarium, capital \$50,000, incorporated; Joe Shelby Riley, Addison Wheeler.

Fla., St. Petersburg—Sunshine Building Co., capital \$50,000, incorporated; \$50,000, H. I. Isbell, F. E. Townsley.

Fla., St. Petersburg—Florida Spanish Tile Manufacturing Co., capital \$200,000, incorporated; W. P. Fuller, Pasadena St.

Fla., Tampa—Publishing—Florida Harmony Studios, 912 Twentieth Ave., Theodore Goerschler and others, contemplated building music publishing house.

Fla., Tampa—Sanitary Poultry & Egg Co., incorporated; M. Greenwood, A. H. Wachel.

Fla., Tampa—Black Construction Co., Inc., capital \$12,000, chartered; Jos. L. Wolf, E. Lloyd Black.

Fla., West Palm Beach—Brandenburg Electric Co., capital \$50,000, incorporated; Wm. Brandenburg, R. S. McDonald.

Fla., West Palm Beach—City, Henry Stephen Harvey, Mayor, votes July 29 on following: \$35,000 bonds for sprinkler system; \$50,000 for fire and police alarm system; \$35,000 bonds for municipal garage; \$25,000 bonds for street signs; \$35,000 bonds for signal system; \$50,000 bonds for fire apparatus.\*

Fla., Winter Haven—Haven Breeze Ice Cream Co., Henderson Bldg., S. Sixth St., incorporated; C. J. Miller, B. O. Carn, Sr.; will establish plant; machinery all purchased.

Ga., Macon—Peeler Hardware Co., changed name from Meritt-Peeler Hardware Co., Broadway and Cherry St.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ky., Ashland—The Henry Clay Hotel Co., capital \$300,000, incorporated; Ben Williamson, W. O. Eaton.

Ky., Louisville—Perfect Laundry & Machine Co., 1110 Baxter St., erect \$25,000 laundry.

Ky., Louisville—Town Talk Manufacturing Co., increased capital, \$45,000 to \$100,000.

Ky., Louisville—Neptune Manufacturing Co., 111 S. Fifth St., increased capital, \$50,000 to \$100,000; manufacture cravenette gabardine coats.

Ky., Louisville—United Baking Co., 417 E. Jeff St., increased capital, \$50,000 to \$100,000.

Ky., Uniontown—Uniontown Amusement Co., incorporated; C. P. Cottingham, C. D. Russell.

La., Baton Rouge—Capital Towel & Linen Supply Co., Inc., chartered; Paul G. Merritt, A. Elmer Massey.

La., Crowley—Eagle Rice & Feed Mills, Inc., capital \$20,000, chartered; J. J. Cassidy, Alex Brown.

La., Golden Meadow—Golden Meadow Packing Co., Inc., capital \$12,000, chartered; Jos. Nicol, H. A. Piccola.

La., Houma—Milton Toujan, interested in proposed erection of dehydrating plant.

La., Morgan City—Paper Mill—M. E. Norman, Mayor, reported, corresponding with interests who may establish \$3,000,000 paper mill.

La., New Orleans—Electrical Contracting—Suhren, Inc., capital \$30,000, chartered; Adolph C. Suhren, 1050 Carondelet St.

La., New Orleans—Gulf States Terminal & Transport Co., Inc., capital \$10,000, incorporated; M. L. Witherup, Pres., 1328 Second St.

La., New Orleans—Quality Linotyping Service, Inc., capital \$12,000, chartered; Milton Cook, 413 State St.

Md., Baltimore—General Baking Co., 342 Madison Ave., New York, let contract to Potts & Callahan, Knickerbocker Bldg., Baltimore, for excavation for \$500,000 building to be erected cor. North and Hartford Aves.; C. B. Comstock, Archt., 110 W. Fortieth St., New York.\*

Miss., Jackson—Jackson Bedding Co., Commerce St., will erect 70x70-ft. plant addition.

Miss., Laurel—Singley Packing Co., capital \$75,000, incorporated; W. C. Singley, R. J. Barbour.

Miss., Laurel—Hyde-Ludlow Plumbing Co., incorporated; Robert Hyde, H. M. Ludlow.

Miss., Starkville—Borden Condensed Milk Co., J. G. Waters, Supt., 417 102nd Place, Chicago, Ill. let contract to Gray Artesian Well Co. for deep well, which is first work toward proposed construction of \$500,000 milk condensing plant.\*

Miss., Vicksburg—Seale-Lily Ice Cream Co. acquired site on Washington St. between Harris and Magnolia St., will erect ice cream plant.

Mo., Hannibal—International Shoe Co., H. E. Jenkins, Supt., reported acquired Bluff City shoe factory, will operate.

Mo., Hermann—Hermann Ferry & Packett Co., capital \$10,000, incorporated; Fred Lang, Wm. L. Heckman.

Mo., Kansas City—The Radio Craft Salon, Inc., chartered; Orhan R. Coblentz, J. Scott Russell; manufacture radio sets, etc.

Mo., Kansas City—Parker Bros. Nursery Co., Inc., capital \$50,000, incorporated; J. N. Nolan, 2409 Penn St.

Mo., Kansas City—Dairy Supplies—Kansas City Milk Producers Assn., chartered; F. A. Renne, r., 2334 Ward St.

Mo., Kansas City—Lewellin Tile & Mantel Co., 903 E. Eighteenth St., acquired adjoining site, will erect 2 story addition; manufacture decorative art tile.

Mo., St. Charles—Rechtman Cleaning Co., incorporated; Wm. H. Rechtman, Jos. C. Ehrard.

Mo., St. Louis—Geneva Optical Co., Dolph Bldg., capital \$67,000, incorporated; H. D. Bradley, J. H. McFarland.

Mo., St. Louis—Waldeck Packing Co., 2914 LaSalle St., incorporated; Ida Waldeck, Gussie Waldeck.

Mo., St. Louis—Germicides—Louis Exterminators, Inc., chartered; Fred J. Swaine, Jr., Joseph G. Broach.

Mo., St. Louis—Insecticides—St. Louis Exterminators, Inc., chartered; F. J. Swaine, J. T. Fredeen.

Mo., St. Louis—Plaza Drug Corp., capital \$10,000, chartered; Sylvester Adams, James J. Gallager.

Mo., St. Louis—The Autophone Corp. increased capital, \$100,000 to \$145,000.

Mo., St. Louis—Finot Transfer Co., 3167 S. Kingshighway St., increased capital, \$10,000 to \$40,000.

Mo., St. Louis—Atlas Publishing Co., capital \$25,000, incorporated; Wallace P. Mullen, Henry J. Vorholt.

Mo., St. Louis—City Commrs. soon invite bids for purchase of 12,000 additional street signs.

Mo., University City—Ward Plumbing & Heating Co., incorporated; John M. Ward, Nathan A. Lindley.

N. C., Greensboro—Greensboro Bank Building Co., capital \$750,000, incorporated; P. C. Rucker, 340 N. Elm St.

N. C., Greensboro—Ebroclo Shirt Co., capital \$75,000, incorporated; Harry Changle, Terrace Apts.

N. C., High Point—High Point Hardware Co., capital \$10,000, incorporated; J. A. Gray, E. E. Soencer.

N. C., Raleigh—Southern Transit Corp., incorporated; G. T. Elliott, Norfolk, Va.; M. E. Hart, 329 W. Hargett St., Raleigh.

N. C., Tryon—Tryon Laundry, Jno. L. and M. B. Jackson, owners, will erect 33x60-ft. laundry building; install machinery.

N. C., Winston-Salem—Forsyth Amusement Co., capital \$100,000, incorporated; A. F. Sams, Jr., Masonic Temple.

Okla., Drumright—City Steam Laundry, Inc., capital \$20,000, incorporated; M. A. Terry, W. B. Terry.

Okla., Oklahoma City—Texas-Oklahoma Window Shade Co., capital \$50,000, incorporated; Chester E. Bender, 1435 W. 26th Street.

Okla., Oklahoma City—Wise Advertising & Publicity Co., capital \$10,000, incorporated; J. E. Wise, G. L. Johnson.

S. C., Bluffton—Broad River Packing Co., capital \$15,000, incorporated; Geo. M. Deiter, C. W. Martin.

S. C., Columbia—Jones Battery Service, 1308 Washington St., incorporated; J. A. James, H. M. James.

S. C., Columbia—Crowson Printing Co., 907 Main St., capital \$25,000, incorporated; H. B. Crowson, Frank T. Meeks.

S. C., Greenville—Fibre Can & Leather Co., incorporated; S. E. Wilson, J. A. Putman.

Tenn., Chattanooga—Southern Cotton & Paper Co., re-organized, D. Hewitt Wood, 400 S. Crest Rd., Pres.

Tenn., Lookout Mountain—Fire-Fighting Equipment—City voted \$30,000 bonds for enlarging and maintaining fire-fighting equipment. Address City Clk.

Tenn., Memphis—Abattoir—Wilson & LaCroix, Trigg Ave., acquired site at Chelsea Ave. and Wafford St.; will establish abattoir; estimated cost \$15,000.

Tenn., Nashville—Sparling Construction Co., capital \$25,000, incorporated; S. Sparling, Irene Sparling.

Tenn., Nashville—Work Shirts—Stephens-Huffines Manufacturing Co., capital \$25,000, incorporated; W. E. Stephens, 1212 Gartland Ave.

Tex., Cleburne—Merchandise—Zimmerman Sons Co., capital \$40,000, incorporated; E. J. Zimmerman, Nash Zimmerman.

Tex., Dallas—United States Tool Specialty Co., capital \$15,000, incorporated; Abe Goodman, Magnolia Bldg.

Tex., Dallas—Gas Appliance Service Corp., A. W. Nicols, 4015 Bowser St.

Tex., Dallas—Oak Lawn Amusement Co., incorporated; W. L. Crawford, 4700 St. John's Ave.

Tex., Dallas—Rucker & Jones Building Corp., capital \$200,000, chartered; W. D. Jones, Medical Arts Bldg.

Tex., Dallas—Roberts Baking Co., capital \$15,000, incorporated; I. K. Reeder, 810 N. Clinton St.

Tex., Fort Worth—Fort Worth Packing Co., 2211 Jones St., will erect \$25,000 packing house, concrete.

Tex., Goose Creek—Gulf Coast Amusement Co., capital \$50,000, incorporated; Bassett Blakeley, D. L. Lunn.

Tex., San Antonio—Steffler Baking Co., capital \$100,000, incorporated; Rudolph Steffler, 124 Jacobs St.

Tex., San Benito—Rio Grande Valley Advertising Co., capital \$30,000, incorporated; B. B. Burke, Benno Kayton.

Tex., San Benito—San Benito Publishing Co., capital \$20,000, incorporated; W. D. Holland, Paul Cottrell.

Tex., Wichita Falls—Ponds' Laundries, Inc., capital \$300,000, incorporated; J. W. Pond, 1619 Tenth St.

Tex., Wichita Falls—J. C. Renault of Quanah, Tex., and associates will soon begin construction of \$40,000 abattoir on Burk Burnett Rd.

Va., Almagro—Decorators—Almagro Masonic Corp., capital \$10,000, chartered; Gustavus A. Betts, G. L. Moore.

Va., Lexington—Robert E. Lee Corp., chartered; E. P. Conquest, James C. Wheat; operate hotels.

Va., Lynchburg—America's Pride Chain Stores Corp., capital \$1,000,000, incorporated; B. B. Campbell, 230 Cleveland Ave., has acquired the Atlan Candy plant and taken over Happy Jack Corp.

Va., Norfolk—Elite Laundry Corp., 201 E. 19th St., merged with Ideal Laundry Co., Inc., R. C. Clucas, Pres.

Va., Pembroke—Star Amusement Co., Inc., capital \$15,000, chartered; C. A. Lucas, Janey B. Reel.

Va., Roanoke—The Ever Ready Tailors & Cleaners, Inc., chartered; C. E. Carter of Weldon, W. L. Harris, Roanoke Rapids.

Va., Stuart—Patrick Jobbing Co., capital \$10,000, incorporated; C. Hyman, G. S. Tilley.

W. Va., Clarksburg—Standard Glass & China Co., capital \$100,000, incorporated; John Koblegard, Jr., Pres., 217 E. Main St.

W. Va., Huntington—College Apartment Co., capital \$250,000, incorporated; A. J. Dalton, R. & P. Bldg.

W. Va., Morgantown—City Council contemplates purchasing additional fire fighting equipment; John Hare, Fire Chief.

W. Va., Renick—Greenbrier Valley Creamery, capital \$25,000, incorporated; R. B. Holt, G. D. Rodes.

W. Va., Wheeling—Contracting—State Developing Co., 1100 Market St., capital \$10,000, M. D. Hudson, C. R. Sykes.

W. Va., White Sulphur Springs—White Sulphur Publishing Co., incorporated; W. E. Chilton, Union Bldg., Charleston; J. L. Huffleston, White Sulphur Springs.

### Motor Bus Lines and Terminals

Ga., Savannah—Ty-Bus Co. will operate bus line from Savannah to Beaufort, S. C.

Ky., Cadiz—Cadiz Railroad Co. granted franchise to operate motor bus line to Hopkinsville.

Miss., Biloxi—A. Wentzel, 6747 Prairie Ave., Chicago, Ill. interested in establishing motor bus line between Chicago and Biloxi; exact route not determined.

N. C., Salisbury—Kirk Motor Bus Lines, capital \$100,000, incorporated; Walter H. Kirk, A. B. Kirk.

Tex., Beaumont—Beaumont Motor Lines, incorporated; T. R. Blair, R. L. Watson.

Tex., Dallas—C. D. Cain, Ravena St., contemplates operating motor bus line in sections without street car service.

### Motor Cars, Garages, Filling Stations

Ala., Birmingham—Martin Garage Co., Inc., chartered; James A. Messner, Sam Martin.

Fla., Avon Park—Ford Motor Co., let contract to John F. McCowen for garage cor. Main and Verona St., 2-story, brick; plans by W. J. Helm.

Fla., Coral Gables—Motor Service Corp., capital \$50,000, chartered, J. E. Turner, J. P. Turner.

Fla., DeFuniak Springs—Douglas Motor Co., capital \$40,000, incorporated; A. G. Douglas, W. O. Campbell.

Fla., Fort Pierce—Saint Lucie Motor Sales Co., capital \$10,000, incorporated; C. J. Sneed, E. O. Denison.

Fla., Jacksonville—Kings Road Garage Corp., chartered; G. E. Curry, J. E. Williams.

Fla., Miami—Locomobile Co. of Southwest Florida, capital \$10,000, incorporated; I. Z. Kessler, R. F. Hampton.

Fla., Miami—Miami Sales Co., capital \$15,000, incorporated; Chas. White, Wm. Elsmann.

Fla., Miami—Automobile Accessories—L. A. Jones, Inc., capital \$500,000, chartered, L. M. Smelser, 50 S. E. Eighth St.

Fla., Miami—Burdine Auto Hotel, Inc., 35 S. E. 1st St., has site on S. Miami Ave.; plans building 9-story automobile hotel with entrances on S. E. First St., S. Miami Ave. and S. E. Second St.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Fla., Sebring—A. S. Withers has under construction 2-story garage fronting on State road No. 8; has 10-acre site; Spanish type; first floor for garage, laundry and lighting plant; second floor for apartment.

Fla., Vero Beach—East Coast Overland Co., acquired site, with 25 ft. frontage on Dixie Highway; will erect building for show, store room and repair shop.

Fla., West Palm Beach—See Miscellaneous Enterprises.

Fla., West Palm Beach—Palm Beach County Oil Co., Flamingo Drive, let contract to R. B. Shull, Inc., for office, warehouse, garage, filling station, and tanks; estimated cost \$30,000.

Fla., Winter Haven—W. F. Boyd will erect garage apartment in connection with proposed hotel; capacity 20 cars; second floor used for servants' quarters.

Ky., Bowling Green—Richeson Motor Co., capital \$50,000, incorporated; W. H. Richeson, O. L. Hayes.

Ky., Fulton—Estes Motor Co., capital \$18,000, incorporated, A. P. Estes, Oscar Melton.

Ky., Lexington—Lexington Driveyourself Co., incorporated; B. A. Storey, Hazard H. Stay.

Ky., Louisville—General Service Co., capital \$10,000, incorporated, W. E. Offut, C. C. Miller.

Ky., Owensboro—King Motor Co., capital \$10,000, incorporated; Ben. M. King, Drury Smeathers.

La., Mansfield—Automobiles—Frank Mays & Co., Inc., capital \$10,000, chartered; Wm. C. Nabors, Frank Mays.

La., Mansfield—Trailer Sales Co., Inc., capital \$10,000, chartered; Ernest W. Martin, W. D. Benson.

La., New Orleans—A. J. Gumina, 4319 Dryades St., of The Pan-Am Oil & Repair Station, acquired site on Poydres St., between Magazine and Camp St.; will erect garage.

La., New Orleans—Automobile Equipment—Live Wire Sales Co., Inc., capital \$12,000, chartered; Charles Levy, 2118 Peniston St.

Miss., Greenwood—711 Tire & Accessory Co., increased capital to \$100,000.

Miss., Jackson—Colrock Sales Co., capital \$10,000, incorporated; A. J. Haltiwanger, John Hart Bldg.

Miss., Jackson—Standard Oil Co., West End, R. B. Dobson, Dist. Mgr., will erect office building and service station at North State, Amite and North St., estimated cost \$200,000; W. E. Glossop, Archt. and Engr., 1161 26th St., Louisville, Ky.

Miss., Vicksburg—Vicksburg Chevrolet Co., capital \$25,000, incorporated; Wm. A. Kelly, C. B. Hackett.

Mo., Ferguson—Lamb-Beach Motor Co., capital \$20,000, incorporated; Milton V. Lamb, Frank L. Beach, 4951 Laclede St., both St. Louis.

Mo., Springfield—Paul Oliver, 312½ S. Jefferson St., let contract to M. Gillioz of Monett for \$30,000 garage cor. Boonville and Chestnut St.; brick and stucco.

Mo., St. Louis—American Auto Rim Lock Corp., capital \$50,000, incorporated; John A. Hanneke, 5400 Southwest St.

Mo., St. Louis—Havlin's Garage & Auto Supply Co., incorporated; L. M. Booker, 3730 Lawler Rd.

N. C., Charlotte—Hoppe Motors, Inc., 426 W. Trade St., organized; W. T. Hoppe, Pres.; will remodel building.

N. C., Hendersonville—Thompson Motor Co., capital \$50,000, incorporated; W. C. Thompson, H. D. Caldwell.

Okla., Clinton—Calmes Motor Co. will occupy \$40,000 building to be erected cor. Fourth and Frisco Ave.; construction begun.

Okla., Ponca City—Lew H. Wentz let contract to O. F. Keck for 2-story building, to be occupied by Glen L. Wigton Motor Co.

Okla., Tishomingo—Tishomingo Motor Co., capital \$25,000, incorporated; Joe Culberson, Paul Fraser.

S. C., Charleston—Southern Tire Co., 177 Meeting St., capital \$10,000, incorporated; R. H. Cooner, F. R. Mertins.

Tenn., Memphis—Wassler Driverless Car System Incorporated; Jacques Wassler, J. A. Callan.

Tex., Breckenridge—McCathern Motor Co., E. R. McCathern, Propr., will erect \$20,000 garage building, brick and reinforced concrete.

Tex., Breckenridge—Bennett Motor Co. let contract to Willis Brothers, at \$12,000, for garage, 1-story, 50x100-ft., brick and concrete.

Tex., Dallas—Carr P. Collins, 4720 Gaston St., and associates, will erect garage building cor. Commerce and Poydras Sts., 8-story, fireproof, install complete facilities for garage use; estimated cost of building and site \$300,000; soon let contract; to be completed by Jan. 1, 1926.

Tex., Dallas—Flippen Auto Co., capital \$100,000, incorporated; Newton Flippen, 7751 Skillman St.

Tex., Fort Worth—Foster P. Jennings, 225 Throckmorton St., will erect \$50,000 auto sales and service station, 100x150 ft., brick; Glasgow & Langley, Archt., Fort Worth.\*

Tex., Houston—J. B. Scott, Warrington Apts., will erect \$10,000 garage on river front property, 1-story, brick.

Tex., San Antonio—Lawrence F. Wilson, 2922 Swiss Ave., let contract to Watson Co., 1927 S. Akard St., Dallas, at \$140,000 for garage, Pacific and Pearl; 3-story, 131x250-ft., brick, stone, steel, reinforced concrete, fireproof; Fred F. and C. F. Peterman, Archts., 1005 Mercantile Bank Bldg.

Tex., San Antonio—J. P. Barkley let contract to Reed & Costley, Staley Bldg., Wichita Falls, at \$100,000, for garage, 3-story, 100x150 ft., brick, stone, reinforced concrete, fireproof, Barrett composition roof, concrete floors, steam heating; Sanguinet, Staats, Hedrick & Pate, Archts., 1005 City National Bank Bldg., Fort Worth, Tex.

Tex., Wilson—Wilson Motor & Oil Co., incorporated; Wm. Green, L. Lumsden.

Va., Fairfax—Service Parts & Gears, Inc., chartered; R. F. Harper, E. L. Hester, both Washington, D. C.

Va., Roanoke—Motor Storage, Inc., capital \$20,000, chartered; John W. Williams, Jr., E. J. Williams.

W. Va., Charleston—Blessing Motor Co., 914 Kanawha St., capital \$10,000, incorporated; R. A. Blessing, Curtis M. Young.

## Railways

Fla., Pensacola—Muscle Shoals, Birmingham and Pensacola Railroad Co., capital \$2,500,000, incorporated; W. B. Harbeson, Pres.; J. M. Muedon, Sec.

## Railway Shops and Terminals

Fla., St. Augustine—Florida East Coast Ry. Co., H. N. Rodenbaugh, V. P., 51 Water St., St. Augustine, let contract to The Foundation Co., 120 Liberty St., New York, for first unit of repair shops, to be known as Miller shops; Battey & Kipp, Engrs., 123 W. Madison St., Chicago, Ill.\*

Ga., Atlanta—The Foundation Co., 101 Marietta St., has contract for rebuilding Atlanta Terminal Station, existing train shed approximately 300 ft. wide x 600 ft. long is to be removed and replaced with standard type of butterfly sheds with new concourse, alterations to midway and new elevated baggage transfer concourse.\*

Fla., Jacksonville—American Railway Express Co., 1200 W. Bay St., let contract to O. P. Woodcock Co., Duval Bldg., for \$750,000 express terminal and office building, has 10 acre site at head of Bay, Forsyth and Adams Sts.; main building and all loading sheds and platforms will be reinforced concrete and steel, installing complete facilities to handle both perishable and non-perishable merchandise; building to be 2 and 3 story, covering 132,000 sq. ft. and 5 sheds and platforms will be 500 ft.; filling and leveling tract is under way, requiring about 30,000 cu. yds. sand; install steel rolling doors, steel windows, metal stairways and runways, metal partitions; elevators; complete lighting, plumbing, heating, and burglar alarm systems; plans by Engineering Dept. of the American Railway Express Co.

Fla., St. Petersburg—City votes Sept. 8 on \$100,000 bonds for eight double truck street cars; \$92,000 bond for additional trackage and \$193,000 bond for new car barns; R. S. Pierce, Mayor; S. S. Martin, Director of Finance.

Miss., Pascagoula—Mississippi Central R. Co., L. E. Faulkner, Gen. Mgr., Hattiesburg, Miss. reported, having surveys made for docks and terminals and laying out right of way; Company plans making Pascagoula its terminus.

S. C., Florence—Atlantic Coast Line R. R. Co., J. E. Willoughby, Chief Engr., 1902 Market St., Wilmington, N. C., let contract to J. M. Lawton & Co., Florence, for 14 stall addition to roundhouse, flat roof construction, cinder floors, composition roof.\*

Tex., Houston—H. R. Stafford, Executive V. P. Gulf Coast Lines and the International Great Northern System, reported is expending approximately \$6,500,000; improvements in-

clude laying new roads, ballasting the I. G. N. construct 30,000 bbl. creosote storage tank at Houston, 80,000 bbl. oil storage tanks at Hearne and Houston; improving shops at various points, stations, etc.

Tex., San Antonio—International-Great Northern R. R. Co., F. S. Schwinn, Chf. Engr., 515 White Oak St., Houston, reported, will construct \$51,500 subway on El Paso St.; also replace tracks, etc.

West Virginia—Chesapeake & Ohio Ry. Co., C. W. Johns, Chf. Engr., 1006 Park Ave., Richmond, Va. reported, acquired Coal River & Eastern Railroad in Boone County, will re-condition and operate line.

## Road and Street Construction

Alabama—State Highway Dept., Montgomery, receives bids Aug. 19 for 5 roads and 3 bridges: Sumter County, .64 mi. concrete paving through York; Wilcox County, 5.08 mi. between Pineapple and Butler County line, toward Greenville; Conecuh County, 10.63 mi. between Evergreen and Butler County line; Colbert County, 2.85 mi. between Margerum and Mississippi State line; Jefferson County, 16 mi. grading and draining, between Birmingham and Warrior on Bee Line highway; Geneva County, bridges over Choctawhatchee River and Double Bridges Creek; Cherokee County, earth approach to Coosa River bridge at Leesburg; Barbour County, earth approaches to McDowell Bridge at Eufaula; W. S. Keller, State Highway Engr.

Ala., Brewton—State Highway Comm., Montgomery, received low bid from The J. B. McCrary Co., Atlanta, Ga., to pave 2.7 mi. Flomaton-Pensacola road, reinforced concrete, \$97,332; plain concrete, \$92,687; from Skinner Co., at \$13,857, for bridge.

Ala., Mobile—Mobile County Board of Revenue and Road Comms. plans paving 11.7 mi. Old Spanish Trail, between Theodore and Grand Bay; also several concrete bridges; \$119,000 available.

Ala., Mobile—State Highway Comm., Montgomery, plans completing Mississippi Highway between State Line, Miss., and Mobile.

Ala., Sheffield—City, A. J. Raulhac, Mayor, receives bids July 28 for 3 mi. street paving and storm sewers; estimated cost \$211,000; plans from R. A. Chapman, City Engr.

Ark., Bentonville—State Highway Dept., Little Rock, plans improving Highway No. 6, between Gravette and Maysville.

Ark., Mountain View—Stone County plans 15 mi. from Calico Rock, through county to connect with Ozark Forest road, 9 mi. west of Sylamore; sold bonds. Address County Comms.

Ark., Russellville—City, Wallace Cowan, City Clk., receives bids in about 60 days for about 40 blocks paving, curbing and guttering; Floyd Ragsdale, Engr.

Ark., Springdale—City plans paving Blair and Spring Sts. Address City Clk.

Ark., Texarkana—City plans 15 mi. street paving; votes Aug. 12 on \$600,000 bonds. Address City Clk.

Fla., Arcadia—City, V. O. Fussell, Clk., receives bids Aug. 11 for street paving and storm drainage, 87,909 cu. yd. excavation, 175,818 sq. yd. pavement, 135,766 lin. ft. curb and gutter, 18,685 lin. ft. flush curb, 32,375 lin. ft. 15 to 48-in. storm drain, 284 catch basins, 60 manholes, tower tank and deep well; plans on file and from J. B. McCrary Engineering Corp., Citizens Bank Bld., Atlanta, Ga. Lately noted bids July 14.

Fla., Avon Park—Town, G. L. Crews, Mayor, received low bid from Langston Construction Co., for 100,000 sq. yds. 3-in. asphalt on 6-in. rock base; Grishaw Contracting Co., for curb and gutter.\*

Fla., Boca Raton—Town Comms. received low bid from Miller Brothers, at \$384,506, for street improvement, between railroad and Lake Boca Ratone..

Fla., Clearwater—Pinellas County Comms. let contract to Ward & Latham for paving on Clearwater Key.

Fla., Crystal River—City plans street paving; E. V. Camp and Associates, Engrs., Morley & DeKalb Aves., Atlanta, Ga.

Fla., DeLand—Volusia County Comms., W. P. Wilkinson, Chmn., receive bids Aug. 15 to widen and build certain road in DeLand and Lake Helen Road and Bridge Dists., 190,000 sq. yd. brick, concrete or bituminous macadam pavement; 19 reinforced concrete culverts and appurtenances; N. A. Hotard, Engr., New Smyrna.

Fla., DeLand—City, Board of Bond Trustees, let contract to John W. Rooks, for about 140,000 sq. yd. concrete paving.\*

Fla., DeLand—See Land Development.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Fla., Fort Lauderdale—See Miscellaneous Construction.

Fla., Fort Pierce—St. Lucie County Board of Comms. plans 2 hard surfaced roads west from Jensen Dist.; will sell bonds.

Fla., Gainesville—See Land Development.  
Fla., Haines City—City let contract to Pryor & McLeod, Haines City, at \$290,000 for street paving.\*

Fla., Homestead—See Land Development.

Fla., Inverness—Citrus County Comms. plan road building; contemplate \$1,000,000 bond election; E. V. Camp and Associates, Engrs.

Fla., Inverness—City plans expending about \$250,000 for street paving; E. V. Camp and Associates Engrs., Morley & DeKalb Aves., Atlanta, Ga.

Fla., Jacksonville—See Land Development.

Fla., Key Largo—See Land Development.

Fla., Key West—See Land Development.

Fla., Key West—City, Board of Public Works, plans widening various streets, including White St. to 70-ft. from approach to Casa Marina Hotel to Florida East Coast Ry.

Fla., Lakeland—See Land Development.

Fla., Melbourne—City plans paving streets and laying sidewalks; contemplates bond election. Address City Clerk.

Fla., Miami—State Road Dept., Tallahassee, receives bids soon for road from Buena Vista to north county line.

Fla., Miami—State Road Dept., Tallahassee, receives bids August 4 for 10 mi. grading and drainage structures on Road No. 7 from Tamiami Blvd., west, waterbound macadam surface course, and Florida line rock base; plans on file and from Div. Engr.; J. L. Cresap, State Highway Engr.

Fla., Miami—See Land Development.

Fla., Orlando—See Land Development.

Fla., Ormond—See Land Development.

Fla., Palm City—City plans street improvement, etc.; votes July 25 on \$100,000 bonds. Address City Clk.

Fla., St. Augustine—City plans several miles street paving, sidewalks, sanitary and storm sewers; will issue \$295,500 local assessment lien improvement bonds; Peter Kendrick Engineering Co., Fuller Wood Park, preparing plans.

Fla., Sarasota—City, H. L. Southwick, Clk., let contract to Walter J. Bryson Co., Jacksonville, at \$153,234, for block paving, and \$159,493 for brick paving.

Fla., South Jacksonville—City let contract to J. Y. Wilson Co., Clark Bldg., and Walter P. Bryson Paving Co., both Jacksonville, for street paving; J. L. Crary, City Engr.\*

Fla., St. Petersburg—City Comm. let contract to W. J. Overman Co., 100 Fourth St., to pave Elbow Lane, Bogie Ave. and Seventh St.

Fla., Sebring—City Comms. plan street paving; voted \$230,000 bonds.\*

Fla., Tavares—Lake County Comms. plan building 4 roads, causeway and bridge in Special Road and Bridge Dist. No. 8: From Dead River through Tavares to Mount Dora; 2 mi. causeway and bridge across Little Harris, between Howey and Tavares-Clermont road; through Monte Verde and Ferndale to Orange County line; 2 roads from Clermont to points on Orange County line; H. S. Jaudon Co., Jacksonville, Engr.

Fla., Tampa—City let contracts at \$68,000 for street paving: Cone Brothers Co., Tampa, for 4 streets; W. L. Harwell, Rome and Gray Aves. for one street; plans widening and paving Tampa and Main St.; R. D. Martin, City Engr.

Fla., Tampa—City Comm., Wm. E. Duncan, Clk., plans paving 10 streets, including 30,000 sq. yd. in Center Hill and Avalon.

Fla., Tampa—Hillsborough County, Fifth Comms. Dist., plans building 17 roads in Dist.; contemplates \$1,000,000 bond election; A. B. Pimm, County Engr.\*

Fla., West Palm Beach—City, Henry Stephen Harvey, Mayor, plans sidewalks, \$120,000; opening streets, \$100,000; votes July 29 on bonds; Hugh J. Daugherty, Clk.

Fla., West Palm Beach—Palm Beach County Comms., plan widening and reconditioning Dixie Highway through county, and building 2 or 3 bridges; votes Aug. 18 on \$600,000 bonds.

Fla., Winter Haven—See Land Development.

Georgia—State Highway Comm., East Point, let contracts for 3 roads and 2 bridges. Toombs and Appling Counties, 1 mi. graded road, as approach to bridge over Altamaha

River, between Lyons and Baxley, W. J. Bryson Paving Co., Acorn St., Jacksonville, Fla., \$27,374; 5.311 mi. gravel Atlanta-Covington Highway, from Rockdale County line to Covington, E. G. Martin, Covington, \$59,989; 2.37 mi. top soil road, between Royston and Danielsville, W. C. McCoy, LaFayette, Fla., \$20,104 Carter Construction Co., at \$23,433 for bridge and approaches on road between Thomasville and Quitman concrete bridge over Ogeechee River on Savannah-Darien Highway, G. S. Wright, Athens, \$68,607; 495 mi. approach to Austin Brothers Bridge Co., Mickelberry St., Atlanta, \$14,190.

Ga., Cordele—Chamber of Commerce interested in paving roads in Crisp County, including section of Macon-Florida Highway.

Ga., Fitzgerald—City plans paving streets through city to connect with Dixie and Jefferson Davis Highways. Address City Clk.

Kentucky—State Highway Comm., Frankfort, let contracts and received bids for 10 roads: Meade County, 6.325 mi. bank gravel, unrolled, on Louisville-Paducah, A. J. Hoffman, North Adams, Mich., \$58,502; Boyd County, 2.538 mi. grade and drain Cannonsburg-Laurel Creek, Ellis & Smeathers, Owensboro, \$36,214; Carlisle County, 4.827 mi. grade and drain Bardwell-Wickliffe, J. R. Barkless, Wickliffe, \$60,484; Green County, 4.19 mi. grade and drain Greensburg-Hogdensville, Mason Construction Co., Elizabethtown, \$37,246; Hopkins County, 3.369 mi. grade and drain Madisonville-Hopkinsville; W. W. Carter, Clay, \$47,486; Lee County, 3.292 mi. stone masonry Beattyville-Jackson, Smith-Combs, Levy, \$69,560; low bidders: Fenton County, .695 mi. reinforced concrete Dixie Highway in Covington, Mills-Connelly Co., Independence, \$25,372; McLean County, 4.035 mi. Owensboro-Buck Grove, G. W. Robinson, \$31,973; 5.421 mi. Owensboro-Livermore, Daviess Construction Co., \$44,414; 2.105 mi. Livermore-Island, Daviess Construction Co., \$12,759.\*

Ky., Calhoun—State Highway Comm., Frankfort, received low bids for 3 roads: 4.5 mi. grade and drain from Beech Grove to Daviess County line, G. W. Robinson, Maceo, \$51,793; Davies County Construction Co., Maceo, to grade and drain road from Daviess County line at Livia to Livermore, \$44,422; 2.7 mi. between Livermore and Island, \$13,000.\*

Ky., Stanford—Lincoln County plans completing highways from Stanford to Liberty, Mt. Vernon and other towns; contemplates \$200,000 bond election. Address County Comms.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 2 roads: Lafourche County, 11.93 mi., clam shell Lockport-Cut Off highway, W. C. Perry, Baton Rouge, \$43,518; Claiborne Parish, 6.15 mi. gravel Haynesville-Shongaloo road, T. S. Clements, 2421 Southern Ave., Shreveport, \$23,374.\*

La., Lake Charles—City, Harry J. Geary, Mayor, plans paving 27 streets, including Front, Clarence, Reid; Emma H. Squires, Clk.

La., New Roads—Pointe Coupee Parish plans completing Evangeline road from Baton Rouge to Opelousas and "Land of Evangeline"; voted \$75,000 bonds. Address Parish Police Jury.

La., St. Bernard—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids July 30 for 5 mi. clam shell Reggio-De la Croix Highway from about 1.3 mi. from Reggio Station to De la Croix Island, 9400 cu. yd.; plans on file; W. B. Robert, State Highway Engr.

La., Shreveport—City, S. G. Wolfe, Sec. Treas., let contract to Turk Construction Co., Ardis Bldg., Shreveport, at \$6127 for concrete curb and gutter on Queens and Kings Highway; to Southern Roads Co., 104 N. 17th St., Birmingham, Ala., at \$27,493 to pave Norma St. with asphaltic concrete; city will pave Wyandotte St.

La., Shreveport—See Land Development.

Md., Baltimore—City, Howard W. Jackson, Mayor, contemplates extending Belvedere Ave. from Charles St. Ave. to York road, later to Hamilton Ave.; Jos. W. Shirley, Ch. Engr., Topographical Survey Comm.

Md., Baltimore—City, Howard W. Jackson, Mayor, plans opening 5 streets, including Pall Mall road, Latham Ave.; Steuart Purcell, Ch. Engr.

Md., Rockville—State Roads Comm., 601 Garrett Bldg., Baltimore, receives bids July 28 for 2 mi. concrete road from Laytonsville toward Woodfield; John N. Mackall, Chmn.; L. H. Steuart, Sec.

Miss., Batesville—Panola County Board of Suprvs. plans building and repairing 4 mi. Tallahatchie River Road Dist., connecting Marks and Oxford; voted \$8000 bonds.

Miss., Gulfport—Harrison County Comms. let contract to Edward Farley, Saucier, at \$45,003 for 17 mi. gravel on Lyman-Poplarville road.

Miss., Jackson—City let contracts for street improvement: Dunn Construction Co., to pave with bitulithic Monument, Amite, South and other streets; Merrill Engineering Co., re-surface with brick North Parish St.; Lawrence Construction Co., Daniel Bldg., constructing bridge on Monument St.; A. J. Johnson, Clk.\*

Miss., Jackson—Hinds County Board of Suprvs. let contracts for 3 roads to Hory & Gordon, Jackson, at \$184,137.\*

Miss., Laurel—Jones County Comms. plan road between Laurel and Ellisville.

Miss., Lexington—State Highway Dept., Jackson, let contract to J. L. McWilliams Co., 1500 Madison St., Memphis, Tenn., for 4½ mi. Bee Lake Swamp road, of New Orleans-Memphis Highway.\*

Miss., Pittsboro—State Highway Dept., Jackson, let contract to Little & Dean, Bank of Commerce Bldg., Memphis, Tenn., to gravel surface 23 mi. in Calhoun County.\*

Miss., Woodville—Wilkinson County Board of Suprvs. plans road between Natchez and New Orleans, La.; will sell bonds.\*

Missouri—State Highway Dept., Jefferson City, let contracts for 28 roads; Barton County, from Lamar to Jasper, Koss Construction Co., Des Moines, Iowa, 4.337 mi. earthwork, \$18,731; 4.337 mi. 18-ft. concrete surface, \$69,725; 2.660 mi. earthwork, \$15,978; 2.660 mi. 18-ft. concrete surface, \$43,261; Camden County, 4.90 mi. 18-ft. gravel pavement, from Macks Creek to Tunis, Buffalo Construction Co., Buffalo, \$25,683; Crawford County, Cuba, to Steelville; 4.380 mi. 20-ft. gravel surface, M. E. Gillioz, Minett, \$62,810; 313 mi. 20-ft. gravel surface, Littrell & Sprague, Wichita, Kan.; DeKalb County, from Stewartville to Cameron, Metropolitan Paving Co., 7th and Olive Sts., St. Joseph, 4.735 mi. 18-ft. concrete surface, \$48,323; 4.735 mi. earthwork, \$35,092; 4.871 mi. earthwork, \$25,899; 4.871 mi. 18-ft. concrete surface, \$49,893.

In Franklin County, from Union west, Euekiger & Jacobs, Union, 2.787 mi. 20-ft. gravel surface, \$25,247; 3.447 mi. 20-ft. gravel surface, \$31,276; Greene County from Galloway to Rogersville, M. E. Gillioz; 490 mi. 20-ft. gravel surface, \$9845; 1.989 mi. earthwork, \$18,688; 1.989 mi. 18-ft. concrete surface, \$29,408; Grundy County, from Trenton south, List & Hallett Construction Co., 321 Railway Exchange Bldg., Kansas City, 4.861 mi. 18-ft. concrete surface, \$90,255; 4.681 mi. earthwork, \$7353; Laclede County, 3.03 mi. 30-ft. graded earth from Conway north and south, C. F. Johnson & Sons, Buffalo, \$13,250; 4.557 mi. 30-ft. graded earth, Phillipsburg to Lebanon, C. F. Johnson & Sons, \$20,597; Macon County, from Callao to Macon, Mike Haase, 2133 S. 11th St., St. Joseph, 2.793 mi. 30-ft. graded earth, \$22,154; 2.466 mi. 30-ft. graded earth \$26,629.

In Osage County, 3.296 mi. 20-ft. gravel pavement from Linn to Mt. Sterling, Farrell & Dubrouillet, Linn, \$28,682; 1.026 mi. 20-ft. gravel surface, from Loose Creek to Linn, J. M. Birmingham, Vienna, 4.828 mi. 20-ft. gravel surface, Linn to Mt. Sterling, J. M. Birmingham, \$32,864; Ozark County, .33 mi. 30-ft. graded earth from Ave to Gainesville, Republic Concrete Construction Co., Republic, Stone County, 2.293 mi. 20-ft. gravel surface, Galena south, J. A. Kerr, Ozark; Warren County, 4.402 mi. 12-ft. gravel surface, Warren to Hopewell, H. R. Boone, St. Louis, \$32,745.\*

Mo., Cape Girardeau—City plans improving Good Hope Blvd. from end of present paving to Lorimer St. Address City Clk.

Mo., Cape Girardeau—City received low bid from W. P. McGeorge Co., foot of Nebraska St., Pine Bluff, Ark., at \$29,525, to pave W. Broadway from Perry to Clarke Ave.

Mo., Clinton—City plans grading, curbing, guttering and paving East Grand and East Green St. Address City Clk.

Mo., Hannibal—City plans paving Gold Dust Ave., Broadway and Chestnut St. Address City Clk.

Mo., Jefferson City—City plans improving Locust St. and Capitol Ave.; F. E. Ross, City Engr.

Mo., Joplin—City Comm. plans expending \$50,000 to improve streets, sidewalks and sewers, including paving Virginia Ave. and Second St.

Mo., Lebanon—City let contract to Russell

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



& Axon to pave in business district. Address City Clk.

Mo., Marshall—State Highway Dept., Jefferson City, will let contract in August to pave State Highway No. 3 south of Marshall; M. S. Murray, Engr. of Surveys and Plans, State Highway Dept.

Mo., Nevada—City plans curbing and guttering Austin St. from railroad crossing to Lynn St. and from Washington St. to point west of College St.; Oak St. from Cherry to Maple; Cedar St. from Austin to point north of Atlantic Ave. Address City Clk.

Mo., Palmyra—City let contract to Western Construction Co., Moline, Ill., to pave Main St.

Mo., St. Joseph—City plans paving East and West alley; grading 11 streets and alleys, including North and South alley, 21st St., Gordon Ave.; also paving Pryor Ave. with Portland cement. Address City Clk.

Mo., St. Joseph—City plans grading Concord, 34th and Carnegie St.; repave with concrete King Hill from Division to 6th St. Address City Clk.

Mo., St. Joseph—City plans grading Centern Sycamore and Tenth St. Address City Clk.

Mo., St. Louis—See Land Development.

Mo., Springfield—City plans paving College St. from Campbell to Walnut. Address City Clk.

Mo., Springfield—City plans paving Boulevard with solid concrete, from Grand St. to city limits; also widening and improving Patton Ave., from Walnut to Mount Vernon. Address City Clk.

N. C., Charlotte—See Land Development.

N. C., Elizabeth City—Pasquotank Highway Comm., S. G. Scott, Chmn., let contract to D. E. and Lee Williams, Elizabeth City, at \$65,000, for 4 mi. S-6-8 concrete on Pear Tree Rd.\*

N. C., Murphy—Cherokee County Road Comm. let contract to Crye & Kallack, Hendersonville, N. C., for 3½ mi. road in Beaverdam Township, from Appalachia road to Unico Gap, on Tennessee-North Carolina line.\*

N. C., Raleigh—Wake County plans extending Routes 21 and 50 south and southwest, contemplates \$1,100,000 bond election. Address County Comm.\*

Okla., Blackwell—City let contract to O. T. Tyler, at \$130,000, for brick and concrete paving in Street Improvement Dist. No. 28; Dwight Randall, City Clk.\*

Okla., Cushing—City plans paving Maple St. from Steel to Highlands Ave. Address City Clk.

Okla., Pawnee—State Highway Comm., Oklahoma City, let contract to grade 11½ mi. road between Keystone and Cleveland, Pawnee County; Grading one section to Gibson & Mitchell, Pauls Valley, \$37,568; another to Southwestern Construction Co., Ardmore, \$34,490; bridge to J. J. Harrison, 906 W. 13th St., Oklahoma City, \$12,044.

S. C., Charleston—Charleston County Sanitary & Drainage Comm. let contract to Simons-Mayrant Co., 39 Broad St., Charleston, at \$160,259, for 3.40 mi. sheet asphalt on State Route No. 2.\*

S. C., Chester—See Land Development.

S. C., Columbia—City let contract to Southwestern Paving Construction Co., Volunteer Life Bldg., Chattanooga, Tenn., at \$15,300, to pave with sheet asphalt Washington and Hampton St.\*

S. C., Dillon—State Highway Comm., Columbia, plans 2 roads: Nichols-Lumberton highway; Dillon-Pee highway; Samuel McGowan, Ch. Highway Commr.

S. C., Ridgeland—Jasper County plans receiving bids Aug. 28 for road from Garnett to Tillman; will sell bonds. Address County Commrs.

S. C., Gaffney—State Highway Dept., Columbia, plans letting contract August 7, tentative date to pave 5 mi. National Highway from Gaffney to Thickety.

S. C., Greenwood—Greenwood County Commrs. will receive bids soon to topsoil road from Ninety-Six to Epworth.

Tenn., Chattanooga—Hamilton County Highway Comm., plans improving 4 roads; from Apison to Georgia State line; County's part of Rankin Ferry Road; road from Chickamauga to Cleveland widened; build 8 mi. road from Daley to Mowbray.

Tenn., Chattanooga—See Land Development.

Tenn., Chattanooga—State Highway Dept., Nashville, plans opening bids July 26 for Cherokee Blvd., from Market St. Bridges to Stringer's tunnel; Sam Conner, Hamilton

County Judge; J. E. Moreland, Highway Engr.\*

Tenn., Clarksville—State Highway Comm., Nashville, plans 15 mi. road from Montgomery County line to Dover.

Tenn., Dyersburg—Dyer County Highway Comm. let contracts for 5 roads: Grade and drain 14 mi. Lane's Ferry and Tiger Tail roads, Sam Hall, Newbern; concrete Church road, Aldrich Concrete Co., Dyersburg; concrete Bradley Ferry and Heloise road, Farum-James Construction Co., Obion.

Tenn., Erwin—Unico County plans expending \$90,000 to grade and gravel 4 roads: to Washington County line near Embreeville; to North Carolina line via Limestone Cove; through Cox's Gap to State line; through Sams Gap. Address County Commrs.

Tenn., Knoxville—City, Frederick, A. Ault, City Recorder, plans improving 16 streets, including Clyde, Hembree, Dunbar.

Tenn., Linden—Perry County plans expending \$25,000 to complete 12 mi. Meriwether Lewis Highway from Linden to Perryville.

Tenn., Nashville—City, S. H. McKay, City Clk., will pave Eighteenth Ave., between Division and Belcourt St.\*

Tenn., Sweetwater—Town, H. T. Boyd, Mayor, let contract to Calloway Construction Co., Lenoir City, at \$73,027 for street paving.\*

Tex., Albany—Shackelford County plans grading and bridges on 13.7 mi. State Highway No. 18, from State Highway No. 1A to Jones County line; Richard Dyers, County Judge; J. E. Perle, Res. Engr.

Tex., Austin—City, W. D. Yett, Mayor, let contract to W. E. Dozier, Dam Blvd., at \$9450 for 9000 sq. yd. 1½-in. uvalde rock asphalt paving.

Tex., Austin—State Highway Comm., Frank V. Lanham, Chmn., let contract to Henry Kyle, Hutto, at \$5506 to grade 2.68 mi. State Highway No. 20, between Manor and Kimbo Dist.; to Johnson Bros., Austin, at \$39,329 for bridges; low bid from W. E. Dozier, Austin National Bank Bldg., Austin, at \$122,787 for 5.57 mi. macadam base, with 1½-in. hot rock asphalt top on State Highway No. 2, from Williams County line south.\*

Tex., Austin—City, W. D. Yett, Mayor, plans paving Fourth St. with permanent type paving.

Tex., Bay City—Matagorda County plans 32 mi. grading, bridges and shell surface on State Highways Nos. 58 and 59, from Palacios to Bay City; W. B. McNab, Judge; E. N. Gustafson, Engr.

Tex., Beaumont—City, Ollie J. Boyd, City Mgr., received bids July 31 to pave Live Oak St. with asphalt on concrete base; Concord road and Spruce St. with reinforced concrete; estimated cost \$35,000; R. C. Black, Engr.\*

Tex., Boston—Bowie County receives bids Aug. 7 to grade and construct drainage structures on 5.41 mi. State Highway No. 8, between New Boston and Red River, 60,035 cu. yds. unclassified and borrow excavation; 28,725 lbs. reinforcing steel; plans from Res. Engr., and State Highway Dept., Austin.\*

Tex., Brownsville—Cameron County let contract to Dodds & Wedegartner, San Benito, at \$30,000, for 6000 ft. 18-ft. concrete paving on Sam Houston Blvd., outside city limits.\*

Tex., Carthage—State Highway Comm., Frank V. Lanham, Chmn., Austin, receives bids Aug. 7 to grade and bridge 4.11 mi. State Highway No. 43, between point 1 mi. south of Sabine River and Rudk County line at Tatum, 67,017 cu. yd. unclassified excavation and borrow; R. J. Hank, State Highway Engr.\*

Tex., Cleburne—Johnson County plans 1.70 mi. gravel State Highway No. 10; O. B. McPherson, County Judge; R. E. Keller, Res. Engr.

Tex., Cuero—See Land Development.

Tex., Dallas—Dallas County receives bids July 22 for 1 mi. gravel on Red Oak road; plans from County Engr.

Tex., El Paso—El Paso County Commrs. receive bids Aug. 13 to surface 1 mi. North Loop Road extension with 1-in. limestone rock asphalt, 10,600 sq. yd.; plans from County Engr.; E. B. McClintock, County Judge.

Tex., Gonzales—State Highway Comm., Austin, let contracts for 2 roads in Gonzales County: John Goodrum, Sequin, for 8.08 mi. State Highway No. 81, from Wilson County line, at \$21,988; 10.88 mi. State Highway No. 81, at \$63,544.

Tex., Haskell—Haskell County plans 90 mi. hard-surfaced roads; votes Aug. 15 on \$1,500,000 bonds; Jesse G. Foster, County Judge.\*

Tex., Dallas—City plans expending \$175,000

to widen Live Oak St. from 50 to 70 ft. between Harwood and Liberty St. Address City Clk.

Tex., Houston—City let contract to Scott Shambaugh, 1401 W. Alabama St., Houston, at \$35,955, to pave Taft Sq. with rock asphalt; O. F. Holcombe, Mayor.

Tex., Houston—City, O. F. Holcombe, Mayor, will receive bids soon to pave 4 streets, including Mississippi Ave., Kipling St.; J. C. McVea, Engr.

Tex., Kaufman—Kaufman County plans ¾ mi. reinforced concrete on State Highway No. 15 from west end of Federal Aid Project 130-C to Terrell; Chas. Ashworth, County Judge; A. J. Treadway, County Engr.

Tex., Kerrville—City plans hard-surfacing business streets; voted \$50,000 bonds; S. K. Mason, City Engr. Address the Mayor.\*

Tex., La Grange—Fayette County plans road building; votes July 25 on \$25,000 bonds. Address County Commrs.

Tex., Lampasas—City let contract to W. L. Pearson & Co., First Natl. Bank Bldg., Houston, at about \$10,000, to pave streets with inverted penetration macadam.

Tex., Madisonville—Madison County will receive bids soon to grade and bridge 15.88 mi. State Highway No. 21; T. Ferguson, County Judge; A. McCormack, Engr.

Tex., Meridian—Bosque County, B. F. Word, County Judge, and State Highway Comm. Frank V. Lanham, Chmn., plan 5 mi. grading and building creosoted timber overpass on G. C. & S. F. R. R. on State Highway No. 67, south of Meridian.

Tex., Pittsburg—Camp County plans 5.8 mi. bituminous surface on State Highway No. 65; Joe R. Hooten, County Judge; Chas. Chapell, Engr.

Tex., Port Arthur—City let contract to Haden & Austin, Sante Fe and Runnels Sts., Houston, at \$98,000, to shell-surface 10 mi. streets.

Tex., Port Arthur—City Comm., let contract to Smith Bros., American Exchange Bank Bldg., Dallas, at \$398,353, for 6-in. concrete base and 2½-in. sheet asphalt top paving.\*

Tex., Quanah—Hardeman County plans grading and bridges on about 32 mi. State Highway No. 5; \$600,000 available; Chas. Y. Welch, County Judge.

Tex., Richmond—State Board of Highway Engrs., Austin, let contract to M. Cravens & Sons, Houston, for 15 mi. highway in Fort Bend County.

Tex., San Antonio—City, John W. Tobin, Mayor, let contract to Southwestern Bitulith Co. to pave Augusta, Giraud and St. Marys St. with asphalt.

Tex., Sanderson—Terrell County will receive bids soon to grade and bridge 5.66 mi. State Highway No. 3 from Val Verde County line; estimated cost \$73,000; G. J. Henshaw, County Judge; John Stovell, Res. Engr.

Tex., San Diego—State Highway Comm., Frank V. Lanham, Chmn., Austin, receives bids Aug. 7 to grade and bridge 13.33 mi. State Highway No. 12-A, Duval County, from Benavides to Realitos, 194,470 cu. yd. common roadway, caliche rock, solid rock, channel and borrow excavation, 116,322 lbs. reinforcing steel; R. J. Hank, State Highway Engr.\*

Tex., Sherman—Grayson County Commrs., R. Q. Loving, County Clk., plans building, maintaining and operating 66 macadamized, graveled or paved roads; votes July 28 on \$5,800,000 bonds.\*

Tex., Texarkana—City plans about 14 mi. paving; votes August 12 on \$600,000 bonds. Address City Clk.

Tex., Weatherford—Parker County plans 5.47 mi. gravel surface State Highway No. 10; J. E. Carter, County Judge; B. A. Davis, Engr.

Tex., Wichita Falls—City, W. E. McBroom, Sec., plans paving business streets; votes in about 60 days on \$100,000 bonds; Montgomery & Ward, 1016 City National Bank Bldg., Engrs.

Va., Alexandria—City plans street improvement; contemplates bond issue. Address City Clk.

Va., Bristol—City, John D. Keeler, Jr., City Mgr., received low bids to build street over Beaver Creek, from State to Cumberland St.; from Alley Construction Co., \$85,679, for Kentucky rock asphalt; Meadow View Construction Co., \$89,055 for sheet asphalt.\*

Va., Warrenton—City plans street paving; voted bonds. Address City Clk.

West Virginia—State Road Comm., Charleston, receives bids Aug. 12 for 19 roads: Glen County, 10 mi. bituminous macadam Glenville-Lewis County line; Braxton County, 2 mi. grading and draining; Bulltown-Lewis County line; Cabell County, 3.3 mi. cement concrete Melissa-Salt Rock; Lincoln County,

0.3 mi. grading and draining Toney-Big Creek; Berkeley County, 6 mi. cement concrete shoulders, Williamsport Pike; Hampshire County, 5.2 mi. paving with oil-finished macadam, Northwestern Turnpike from Capon Springs to Virginia State line; Mason County, 2.7 mi. grading and draining Letart-Jackson County line; Mineral County, 1 mi. concrete Main St. in Ridgeley; Mingo County, 1.5 mi. grading and draining Williamson-Chattahoochee; Morgan County, 4 mi. paving with oil-finished macadam Berkeley Springs-Martinsburg.

In McDowell County, 1 mi. Landgraf, grade and pave with cement concrete; Nicholas County, 42 mi. Carden relocation at Zela, grading and draining; Pocahontas County, 6 mi. grading and draining top Elk Mountain toward Randolph County; Raleigh County, 6.21 mi. bituminous macadam Shady Spring-Summers County line; Summers County, 5 mi. bituminous macadam Hinton-Jumping Branch-Raleigh County line; Tyler County, 5 mi. bituminous macadam Middlebourne-West Union, between LeMaster Bridge and Centerville Bridge; Upshur County, 2.1 mi. cement concrete Buckhannon-Clarksburg, from Peck's Run to Barbours County line; Webster County, 8 mi. grading and draining Hacker's Valley-Cleveland; Wyoming County, 3.7 mi. bituminous macadam Elmore-Fineville road.

West Virginia—State Road Comm., Charleston, receives bids Aug. 4 to surface-treat with coal tar application, 2 roads; Fayette County, 6.8 mi.; Greenbrier County, 14.5 mi.; plans on file; E. B. Carskadon, Sec.

W. Va., Beckley—Raleigh County, Beckley Dist., plans improving 6 roads: Pemberton to Abney; Tamroy to Price Hill to connect with present Mt. Hope hard road; Johnstown to Lenark; 3/4 mi. Cranberry road from Mt. Hope road to Cranberry store; Maple Fork, from Mt. Hope road to Cirtsville; Beckley-Sylvia-Raleigh road, from end of paving on South Fayette St., Beckley, to intersection with Shady Springs hard road near Raleigh ball park; votes August 15 on \$660,000 bonds; Hal M. Scott, County Highway Engr.\*

W. Va., Fayetteville—Fayette County Court, Thomas Boone, Clk., receives bids Aug. 3 for 4 mi. grading, draining and paving with bituminous macadam Clifton Danese road; plans from County Road Engr.

W. Va., Fayetteville—Fayette County Court let contract to Janutolo & Co., Fayetteville, at \$72,508, to pave 7 mi. Kincaid-Deepwater road, Kanawha Dist., with oil asphalt.\*

W. Va., Huntington—City, Homer H. Fielder, Clk., receives bids Aug. 3 to grade, curb and pave 3 alleys; plans from City Engr.

W. Va., Huntington—City received low bid from Gerchow & McGinnis, Tweel Bldg., to pave Sixth Ave. and 29th St.; A. R. Hunt, Clk.\*

W. Va., Huntington—City, W. E. Neal, Mayor, plans resurfacing Ninth St. from Third St. to Chesapeake & Ohio Ry.

W. Va., Morgantown—City, G. H. Bayles, City Mgr., plans street improvement; votes Aug. 6 on \$400,000 bonds.

W. Va., Pineville—Wyoming County Court, Dan W. Cook, Clk., receives bids Aug. 3 to grade and drain 6.9 mi. Jesse to Mabon road; plans from County Road Engr.; I. E. Basham, Engr., County Court.

W. Va., Wayne—Wayne County Commrs., Butler Dist., plans hard surfacing 15 roads: Fort Gay to Echo; Lace Wellman place to Lincoln Dist. line; Billups Gap to Hubbards-town, via Tabor's Creek; from mouth of Big Hurricane to top of hill, and up on Log Hurricane to hard road; from Forks of Hurricane to mouth of Wolf Creek; on Joels Branch road; from point on Mill Creek to R. L. Boyes' store; from Fort Gay to point on Tabor's Creek; from mouth of Little Hurricane to Long Branch and on to Tabor's Creek road; from mouth of Patrick Creek to Union Dist. line on Whites Creek; from point up Tabor's Creek to intersect with Little Hurricane and Long Branch roads; from bridge on Tabor's Creek to Hewlett Station; from mouth of Davis Branch to Queen's Creek road; from Prichard to Gragston Creek, then to Union Dist. line near Centerville; from Fort Gay to Saltpetre; votes August 8 on \$200,000 bonds.\*

W. Va., Wheeling—Ohio County received low bid from R. A. Holderman, Wheeling, at \$124,211, to extend, excavate and grade, erect retaining walls, and pave Chapline St. from Eleventh to Lincoln school.

### Sewer Construction

Ala., Sheffield—See Road and Street Construction.

Ark., Russellville—City will let contract in about 30 days for sewers; Wallace Cowan, Clk.

Fla., Arcadia—See Road and Street Construction.

Fla., Bartow—See Land Development.

Fla., DeLand—See Land Development.

Fla., DeLand—City let contract to Ed. L. Guest for sanitary storm sewers.\*

Fla., Haines City—City let contract to Interstate Construction Co., Haines City, for storm and sanitary sewers.\*

Fla., Iverness—See Water Works.

Fla., Homestead—See Land Development.

Fla., Jacksonville—See Land Development.

Fla., Lakeland—See Land Development.

Fla., Orlando—See Land Development.

Fla., Palmetto—City receives bids Aug. 6 for installation of 178 white way street lamps, 87,950 ft. of sanitary sewers; Kirby & Webb, Civil Engrs.\*

Fla., Sebring—City voted \$45,000 bonds for sanitary sewers, \$20,000 for storm sewers, \$300,000 for light and water extensions, \$75,000 for parks and piers. Address The Mayor.

La., Shreveport—City Council entered into contract with South Highlands Co., Inc., for connection of sewer mains in Broadmoor subdivision.

Fla., St. Augustine—See Road and Street Construction.

Fla., St. Petersburg—City votes Sept. 8 on \$365,000 bonds for sewage disposal plant; \$43,000 for drainage and improving Mirror Lake; \$235,000 for purchase and installation of 2 units to power plant; \$443,100 for storm sewers; \$21,000 for construction and enlargement of drainage ditches; \$86,000 for improvements to water plant; \$964,000 for expanding water distribution system; \$253,499 for extension to gas plant; \$236,501 for extension of mains; R. E. Ludwig, Director of Public Utilities.

Fla., Winter Haven—See Land Development.

Ga., Homerville—See Water Works.

Ky., Louisville—Comms. of Sewerage, Matt H. Crawford, Chrmn., receives bids July 28 for construction of sewer system. (See Machinery Wanted—Sewer System.)\*

Mo., Kansas City—Board of Public Works will probably let contract to Torson Construction Co., at \$1,263,000 for Goose Neck sewer.\*

Mo., St. Joseph—City contemplates constructing Upper Brown main sewer; cost \$30,000. Address The Mayor.

Mo., St. Louis—See Land Development.

N. C., Charlotte—See Land Development.

Okla., Oklahoma City—City, Warren E. Moore, Commr. Public Works, votes Aug. 4 on \$1,750,000 bonds.

Okla., Tulsa—City let contract to W. B. Carter for sanitary sewer in District No. 226, Indian Wood Addition.

S. C., Landrum—See Water Works.

S. C., New Brookland—See Water Works.

Tenn., Chattanooga—City receives bids July 31 for construction of trunk sewer for Twelfth Ward. (See Machinery Wanted—Trunk Sewer.)\*

Tenn., Chattanooga—See Land Development.

Tex., Abilene—See Water Works.

Tex., Hamilton—City, R. F. Moore, Mayor, opens bids July 28 for extension of present main and new disposal plant; 30,000 ft. of vitrified clay pipe; Imhoff type; cost \$60,000; Koch & Fowler, Const. Engrs., 606 Central Bank Bldg., Dallas.\*

Tex., Houston—City, O. F. Holcomb, Mayor, will soon call for bids for storm sewers on Clay St.; J. C. McVea, Engr.

Tex., Lufkin—City let contract to J. S. Moore & Son at \$73,362 for improvements to sewage disposal plant.\*

Tex., Port Arthur—City let contract to Charles K. Horton & Co., 2202 Clay St., Houston, for storm sewers and Shreveport ditch; cost \$160,514.\*

Tex., San Angelo—City, E. V. Spence, Mgr., will construct sewage disposal plant; \$275,000 available.

Tex., Wichita Falls—City will soon vote on \$300,000 bonds for sewage disposal plant and \$50,000 for sewer extension; Jno. H. Gregory, 3925 Canterbury Rd., Baltimore, Md., and Montgomery & Ward, Engrs., 1016 City National Bank Bldg.

Va., Portsmouth—Board of Supervisors of Norfolk County have preliminary plans for replacing outfall sewer leading from Craddock to Elizabeth River.

Va., Warrenton—See Water Works.

### Street Railways

Fla., Miami—Coral Gables Rapid Transit Corp. proposes to build a street railway from Miami to Coral Gables, 4 mi.

Fla., St. Petersburg—Boardman-Frazer Realty Corporation, 176 Central Ave., St. Petersburg, Fla., will receive bids until July 28 to build about 2.6 mi. of street railway.

### Telephone Systems

Fla., Haines City—Peninsular Telephone Co., R. B. Snyder, Dist. Mgr., will lay 15,000 ft. of additional underground cable.

Fla., Jacksonville—Western Union Telegraph Co., 100 W. Bay St., B. C. Wilkes, local Supt., will expend \$88,571 for pneumatic tube system between main and branch offices.

Fla., Titusville—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., will expend \$70,000 on improvements, including modern office building on Washington Ave. with operating and equipment rooms, recreation rooms, etc.

Md., Reisterstown—Consolidated Gas & Electric Co., Herbert A. Wagner, Pres., Lexington Bldg., Baltimore, Md., will erect radio broadcasting station on Hanover pike, near Reisterstown; broadcasting towers will be 200 ft. high, built on eight acre site; construction by owners.

Okla., Oklahoma City—Western Union Telegraph Co., O. J. Pickle, City Supt., reported, will erect 3-story and basement, 75x140-ft. building at Third and Broadway; install equipment, estimate cost \$185,000.\*

Tex., Lubbock—Southwestern Bell Telephone Co., main office, Boatmen's Bank Bldg., St. Louis, Mo., will expend approximately \$200,000 to place additional copper toll wires from Pampa to Amarillo, Plainview, Lubbock and Slaton; from Slaton to Roscoe via Post City and Snyder about 106 mi.; other improvements include erection of modern office building, extension to lines in Lubbock.\*

### Textile Mills

Fla., Dinsmore—Hashba Textile Co., capital \$1,000,000, incorporated with B. H. Hamilton, Pres., Raleigh, N. C.; Mrs. Eula Baker, Sec., 225 W. Sixth St., Jacksonville, reported to expend \$3,500,000 for 21,700 spindle mill and community development on tract of 587 acres; Paul G. Short has signed contract for development of townsite, including 50 ft. streets, 5 ft. sidewalks, water works, electric lights and sewers; mill building will be 400x800 ft.; J. M. Short, Gen. Supt. of Construction.

Fla., Jacksonville—J. D. Kennedy, 355 N. Waldran St., Memphis, Tenn., reported interested in textile mill.

Ga., Griffin—Chamber of Commerce reported interested in establishment of textile mill.

Kentucky—Wolf, Strauss & Co., 65 Madison Ave., New York City, reported American agents of J. P. Bomberg, Ltd., German rayon producers, said to have selected site in Kentucky for rayon plant.

N. C., Balfour—Balfour Mills, Inc., will install 5000 new spindles, 100 Hopedale high-speed looms, 12 cards and new card and spinning room machinery.\*

N. C., Cramerton—Cramerton Mills, Stuart W. Cramer, Pres., plans installation of wet finishing plant in connection with weave shed; will complete building this year, install machinery first part of next year.\*

N. C., High Point—Chamber of Commerce, Frank J. Sizemore, Sec., interested in establishment of mercerized yarn mill.

N. C., Roxboro—A. T. Baker & Co., Inc., Fountain and Canal Bank, Phila., Pa., will erect addition to plant; Budd-Piper Roofing Co., Durham, has contract for roofing.

Tex., San Benito—John Hubler reported interested in establishment of \$100,000 mill; will plant acreage in hemp.

Va., Norfolk—Wm. Stewart & Co., 1107 Louisa St., Thos. J. Hardy, Mgr., 1106 Huntington Crescent, will erect 75x80-ft. building; brick; install electric power; cost \$10,000; J. W. Saunders, Contr., Bankers Trust Bldg., Norfolk; Wickham Taylor, Archt., Citizens Bank Bldg., Norfolk.

### Water Works

Ala., Birmingham—Birmingham Water Works Co., H. H. Horner, Supt., reported to expend \$700,000 on improvements and expansions; including boiler at Cahaba station.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Ark., Atkins — Atkins Water and Sewer Dist. Comms. let contract to Layne-Arkansas Co., Stuttgart, for sinking deep well for water supply.\*

Ark., Lake Village — Wm. Kirten, Sec. Lake Village Water Works Improvement District, will install additional equipment. (See Machinery Wanted — Engine; Water Works Equipment.)

Fla., Arcadia — See Road and Street Construction.

Fla., Bartow — See Land Development.

Fla., DeLand — See Land Development.

Fla., DeLand — City let contract for water works improvements; to U. S. Cast Iron Pipe & Foundry Co., Burlington, N. J., for furnishing and installing water pipes; to Columbian Iron Works, Chattanooga, Tenn., for valves and hydrants; to Chicago Bridge & Iron Works, 2105 Transportation Bldg., Chicago, Ill., erection of 500,000 gal. tank and tower; Worthington Pump and Machine Co., 115 Broadway, N. Y., for pump and motor; Virginia Machine & Well Co., 1319 E. Main St., Richmond, Va., for drilling deep well.\*

Fla., Eagle Lake — City contemplates extension to water works system; may vote on bonds; E. V. Camp and Associates, Engrs., Moreland and DeKalb Aves., Atlanta, Ga.

Fla., Gainesville — See Land Development.

Fla., Homestead — See Land Development.

Fla., Jacksonville — See Land Development.

Fla., Palmetto — City has \$50,000 available for installation of water works; Kirby & Webb, Civil Engr.\*

Fla., Sebring — See Sewer Construction.

Fla., Winter Haven — See Land Development.

Ga., Homerville — City will probably acquire water, and light plant and installing sewer system. Address The Mayor.

Fla., Iverness — City contemplates water works improvements and extension of sewer system; E. V. Camp and Associates, Engrs., Moreland and DeKalb Aves., Atlanta, Ga.

Fla., Jacksonville — See Land Development.

Fla., Lakeland — See Land Development.

Fla., Miami — See Land Development.

Fla., Orlando — See Land Development.

Fla., Orange City — J. W. Camac, Daytona Beach, acquired Orange City Mineral Springs Water Co.'s plant and 50 yr. franchise; will expend \$1,500,000 for improvements.

Fla., St. Petersburg — See Sewer Construction.

Fla., St. Petersburg — City R. E. Ludwig, Director Public Utilities, votes Sept. 8 on \$3,119,000 bonds for water reservoir at Mirror Lake.\*

Fla., West Palm Beach — City votes July 29 on \$275,000 bonds for water works and sewers. Address City Mgr.

La., Shreveport — See Land Development.

La., Welsh — City votes Aug. 11 on \$50,000 water works bonds. Address the Mayor.

Md., Baltimore — City, V. Bernard Siems, Water Engr., receives bids July 29 for tanks and hoppers for addition to Montebello filters. (See Machinery Wanted — Water Plant Equipment.)

Miss., Biloxi — Biloxi Plumbing and Heating Co. has contract for water works improvements; cost \$11,000.

Miss., Clinton — City, J. R. City, Mayor, contemplates improvements to water supply system.

Mo., Hannibal — City let contract to Crim and Wilson Co. for sewers in St. Mary's Ave. and Robert Clayton's subdivision.

Mo., Malden — City will vote on \$52,000 bonds for water works and electric light plant; F. L. Wilcox, Engr., Chemical Bldg., St. Louis.

Mo., Neosho — City, D. H. Lewis, Clk., defeated \$30,000 bond issue.\*

Mo., St. Louis — John C. Pritchard, Water Commr., 312 City Hall, receives bids Aug. 4 for constructing concrete reservoir. (See Machinery Wanted — Reservoir.)

Mo., St. Louis — See Land Developments.

Mo., Willow Springs — City plans voting on \$10,000 bonds for additional water works. Address The Mayor.

Okla., Walters — City plans construction of dam across Cache Creek; votes July 23 on \$25,000 bonds; A. F. Thompson, Engr.

Okla., Muskogee — Muskogee Chamber of Commerce has plans by L. J. Roach, 614 Manhattan Bldg., for \$225,000 water works improvements; Burns & McDonnell, Consult. Engrs., 402 Interstate Bldg., Kansas City, Mo.

S. C., Brookland — City let contract to

Tucker & Laxton, Realty Bldg., Charlotte, N. C., for construction of water and sewerage system; \$60,000 available; Ryan Engineering Co., Arcade Bldg., Columbia, Engrs.\*

S. C., Chester — See Land Development.

S. C., Greenville — Greenville Sewer District, Cosmn., B. A. Morgan, Chrmn., will receive estimates Aug. 7 for sewer system.

S. C., Landrum — City let contract to Kelly-Wilson & Co., Asheville, N. C., for construction of water and sewer system; to Chattanooga Sewer Pipe Works, W. 11th and Cross Sts., Chattanooga, Tenn., for terra cotta pipe; to U. S. Cast Iron Pipe & Foundry Co., American Trust Bldg., Birmingham, Ala., for de Lavaud cast iron pipe; to Grinnell Co., Inc., N. Charlotte St., Charlotte, N. C., for valves and specials; Spoon & Lewis, Consult. Engrs., 407 American Bank Bldg., Greensboro, N. C.\*

Tenn., Chattanooga — See Land Development.

Tenn., Watertown — City, W. J. Scott, Mayor, votes Aug. 18 on \$55,000 water bonds; Ambler Engineering Co., Engr., Travelers Bldg., Richmond, Va.\*

Tex., Abilene — City votes Aug. 10 on \$250,000 water works and \$50,000 sewer bonds; Chas. E. Combs, Mayor.

Tex., Amarillo — Southwestern Public Service Co. reported acquired City Light and Power Co.'s water and light plant.

Tex., El Campo — El Campo Electric & Ice Co., owned by Middle West Utility Co., will expend \$60,000 for water mains and well; install motor and pumps; Dock Kiser, Engr.\*

Tex., Grand Prairie — City voted \$20,000 bonds for water works; Koch & Fowler, Consultant Engineers, 606 Central Bank Bldg., Dallas.

Tex., Houston — City, O. F. Holcomb, Mayor, receives bids July 27 for water reservoir for central pumping plant; reinforced concrete; 175x175 ft.; capacity 4,000,000 gals; Holway Engineering Co., 401 Bankers Mortgage Bldg., Houston.\*

Tex., Mission — City, Jno. T. Williamson, Sec., voted \$60,000 water works improvements bonds.

Tex., Richardson — City, T. F. McKamy, Mayor, will install water works system; may vote on bonds.

Tex., San Antonio — City will have plans ready Aug. 15 for elevated water tank, 1,000,000 gal. capacity, steel and concrete; Allen Haxen, Supv. Engrs., New York.

Va., Culpeper — City, R. F. Booton, Chrmn. Water and Sewer Comsn., receives bids Aug. 4 for sanitary extensions. (See Machinery Wanted — Sanitary Sewers.)

Va., Roanoke — Roanoke Water Works Co., 20 Salem Ave. E., increased capital, \$800,000 to \$1,000,000.

Va., Warrenton — City voted \$105,000 bonds for water, sewer and paving. Address The Mayor.

Va., Woodstock — City let contract to Lynchburg Foundry Co., Peoples National Bank Bldg., Lynchburg, for furnishing 56,500 ft. of 8-in. cast iron pipe and to Pace Construction Co., 401 Mountain Trust Bldg., Roanoke, for laying above pipe and constructing concrete intake dam; cost \$115,000; Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte, N. C.\*

W. Va., Roncverte — Board of Commrs. let contract to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh Pa. at \$30,126 for construction of water filtration plant and reservoir improvements.\*

W. Va., Lumberport — Baltimore & Ohio R. R., L. P. Kimball, Engr. of Bldgs., 306 Wendover Rd., Baltimore, Md., advises company will erect small hood well, about 6500 ft. of 10-in. and 8-in. pipe line with electrically operated booster pump, to provide new supply of water; cost \$30,000; Vang Construction Co., Cumberland, Md., general contractors.\*

### Woodworking Plants

Ark., Fort Smith — Handles — A. H. Scroggins, interested in \$20,000 company, to manufacture handles, soon begin construction of buildings at 11 S. Fourth St.

Fla., Fort Meyer — Lebow Sash & Door Co., capital \$10,000, incorporated; Max Lebow, Wm. C. Hess.

Md., Baltimore — Store Fixtures — Grand Rapids Show Case Co., S. D. Young, Pres., Grand Rapids, Mich., has acquired plant of M. L. Himmel & Son, Inc., Hollins St.; will operate.

Mo., St. Louis — Shillington Box & Lumber Co., 200 Chouteau St., incorporated; Wm. A. Bischoff, W. R. Shillington.

N. C., Lenoir — Star Furniture Co. will re-

build plant burned at loss of \$175,000; R. C. Robbins, Sec. of company.

N. C., Thomasville — Jennings Manufacturing Co. will enlarge plant, manufacture all kinds of building material in connection with present output.

Tex., Beaumont — Beaumont Sash & Door Co., Crockett and Fourth Sts., increased capital, \$100,000 to \$125,000.

Tex., Dallas — Texas Box & Crate Co., capital \$14,000, incorporated; W. W. Hill, 4411 Cedar Springs.

Tex., Dallas — Katy Sash & Door Co., J. W. Bailey, Pres., 2200 Lucas Drive, has new buildings; will install fast feed matchers, saw, dry kiln equipment and box machinery. (See Machinery Wanted — Dry Kiln Equipment; Woodworking Machinery.)

Tex., Fort Worth — Boxes — Western Box Factory, R. G. McElyea, Propr., 1109 Taylor St., will enlarge plant, increasing capacity.

Va., Galax — Webb Furniture Co., capital \$200,000, incorporated; J. V. Webb, Wm. T. Berry, Jr.

Va., Waynesboro — August Klann has under construction, 1-story, 55x70-ft. building, cor. Charlotte Ave. and Fourth St.; brick, steel and concrete; will be first unit of factory for making pipe-organ accessories.

### FIRE DAMAGE

Ala., Columbia — Lester's Garage; K. L. Isbell's store; Masonic Hall, and McGeehee Building, Loony barber shop; estimated loss \$25,000.

Ark., Camden — Houston Oil & Refining Co.'s plant.

Ark., Louann — Berry-Price Drug Co., Patterson Grocery Store, David & Co., dry goods, Sanitary Cafe, Highland Drug Co., Taylor Soda Fountain, Mrs. Bellman dry goods store, Log Cabin pool hall, City Drug Co.; loss \$100,000.

D. C., Washington — Acme Auto Top Co.'s garage at 1423 Irving St., N. W.

Fla., West Palm Beach — Five duplexes owned by Alfred H. Wagg and Bert Winters and 4 additional dwellings, all Contentment Ave. near 18th Ave., Pleasant City; loss \$30,000.

Ga., Atlanta — Building at Pryor St. and Edgewood Ave., occupied by Foote & Davis Co.

Ga., Augusta — Frank Turner's residence, Bath Rd.; loss \$12,000.

Ga., Quitman — Empire Cotton Oil Mills Co.'s warehouse.

Ky., Paducah — Paducah Packing Co.'s plant at 206 Kentucky Ave.

Ky., Somerset — Gregory's Restaurant; address the Proprietor; loss \$15,000.

Ky., Sturgis — Stubbs & Morehouse warehouse; Fred Alloway Lumber Co.; loss \$25,000.

Md., Camp Meade — Camp Meade Salvage Co.'s warehouse; loss \$10,000.

Md., Joppa — John C. Hargester's store, warehouse and bungalow; loss \$15,500.

Miss., Gulfport — Pelican Packing Co.'s plant; loss \$15,000.

Miss., Hattiesburg — Martin Printing Co.'s plant; loss \$20,000.

Miss., Union — Union Consolidated School building. Address Board of Trustees.

Mo., Fayette — Wm. Robertson's livery barn and adjoining garage.

Mo., Kansas City — Foundry department of the H. N. Strait Manufacturing Co., Adams and Bond Sts.; loss \$45,000.

Mo., St. Joseph — Burvenich Pharmacy, W. C. Burt Hardware Co., C. B. Auto Co. and Farmers' & Traders' Bank; loss \$75,000.

N. C., Charlotte — Warehouse of New England Waste Co., East Second and Bravard St.; loss \$75,000.

N. C., Durham — R. D. Vann's gin and lumber plant.

N. C., Lenoir — Star Furniture Co.'s plant; loss \$175,000.

N. C., Pittsboro — Casco Motion Picture owned by Aronson and Browne, 115 Fayetteville St.; loss \$100,000.

N. C., Raleigh — Almo Theater building owned by Mrs. J. C. Lanus.

Okla., Cushing — Warehouse of Shaffer Oil Refining Co.; loss \$250,000.

Okla., Eufaula — McIntosh County Courthouse. Address County Commrs.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Okla., Shady Point—Mixon-Phillips' cotton gin; loss \$12,500.

Okla., Shawnee—Three barns at United States Indian Sanatorium, near Shawnee; loss \$20,000.

Okla., Tulsa—Thomas Motor Co.'s, 401 S. Elgin St., building; loss \$200,000.

Tenn., Chattanooga—Union Tanning Co.'s plant, Elm St., adjoining property of the Chattanooga Sewer Pipe Co., W. 11th and Cross Sts.; Lookout Extract Works and other structures, estimated loss \$75,000.

Tenn., Nashville—Two dwellings owned by R. G. Clark, Blackman Lane, and 4 additional dwellings, all 300 block Valeria St., Flat Rock; loss \$20,000.

Tex., Abilene—Storage building owned by W. J. Fulwiler; loss \$150,000.

Tex., Beaumont—Langham Bldg., Pearl and Bowie Sts., housing City National Bank, Service Drug Store, etc.; loss \$10,000.

Tex., Dallas—Trinity Products Co.'s plant, Hutchins Road; loss \$25,000.

Tex., Waco—Farmers Gin Co.'s gin; loss \$14,000.

Va., Midlothian—Methodist Church; loss \$15,000.

Va., Petersburg—Several buildings at "Dunedin," Dinwiddie County near Petersburg; estate of Jos. W. Seward; loss about \$10,000.

### Damaged by Explosion

Tex., San Antonio—Morris & Co.'s smokehouse, at 119 S. Medina St.; loss \$15,000.

### Damaged by Storm

Fla., Clearwater—Central High School on Greenwood Ave.; loss \$10,000; address Board of Education.

La., New Orleans—St. Patrick's Catholic Church, Camp St. near Girod St.; loss \$15,000; Alhambra Baths, 726 Gravier St.

W. Va., Wheeling—Thirty-four county bridges, including 8 concrete structures. Address Ohio County Comms.

### Collapsed

Fla., St. Petersburg—Roof and section of walls of First M. E. Church, South, nearly completed; S. D. Harris, Chmn., Bldg Comm., 350 Third Ave., N.

Engr. for Company, 1161 26th St., Louisville, Ky.\*

S. C., Fort Mill—Savings Bank of Fort Mill, W. B. Meacham, Pres., will erect building.

Tenn., Memphis—Standard Oil Co., East St. and Southern Ave., having plans drawn by Jones & Furbinger for \$300,000 office building, 1205 Union Ave.; reinforced concrete, 3 stories.

Tex., El Paso—Two Republics Life Insurance Co., Allen Rodes, Pres., will remodel first floor of Two Republics Bldg. for banking quarters, safety deposit company and drug store; plans to organize Peoples National Bank.

Tex., Fort Worth—Citizens Saving & Loan Assn., Fort Worth Club Bldg., Harry S. McKeever, Sec.-Mgr., will remodel 2-story building, Throckmorton St., for office; work to start Jan. 1.

Tex., McAllen—Methodist Church, Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio. (See Buildings Proposed—Churches.)

Va., Pulaski—Pulaski Finance & Trust Co. will erect building, Washington Ave.

### Churches

Ark., Hot Springs National Park—St. Luke's P. E. Church, J. A. Russey, Chmn.; Rev. Chas. F. Collins, Rector, receiving bids for Gothic type building, Spring and Cottage Sts.; gray brick, stone trim; Chas. D. Thompson, Archt., Trust Bldg., Little Rock.\*

Fla., Cocoa—First Baptist Church has plans by Pugin & Wallace, Nashville, Tenn., for \$75,000 building.\*

Fla., New Smyrna—Baptist Church, Rev. Blanchard L. Law, Pastor, will erect \$50,000 to \$75,000 building; Jas. E. Greene, Archt., Farley Bldg., Birmingham, Ala.\*

Fla., Orlando—Calvary Presbyterian Church will erect \$10,000 Sunday-school building, Edgewater and Colonial Drives; 36x64 ft.; erect main auditorium later. Address the Pastor.

Fla., Tampa—Christian and Missionary Alliance will erect \$30,000 reinforced concrete and stucco church, Jefferson St. and Amelia Ave.; 75x110 ft., 1 story and balcony, seat 2500 to 3000.

Fla., Tarpon Springs—Presbyterian Church will erect building; Hilliday Construction Co., contract at \$21,500.

Fla., West Palm Beach—Tabernacle Baptist Church will erect \$90,000 building, Freshwater addition. Address the Pastor.

Fla., Winter Haven—First Presbyterian Church will erect main auditorium to seat 800, including balcony, 3-story chapel and manse; total cost \$150,000; \$10,000 pipe organ; G. L. Kramer, Archt., Winter Haven, succeeding Geo. W. Kramer & Son, New York.

Ga., Savannah—Wesley Monumental Church, G. C. Baker, Chmn., Bldg. Comm., 529 E. 40th St., will erect 3-story Sunday-school building rear present structure; Levy, Clarke & Bergen, Archts., Liberty Bank & Trust Bldg.

La., Shreveport—First Methodist Church, Dr. Robt. C. Goodrich, Pastor, 2222 Fairfield St., plans \$300,000 Sunday school addition; probably 3 stories, connected by arcade with present structure.

Md., Cumberland—McKendree A. M. E. Church, Rev. Nathaniel Minor, Pastor, will erect \$20,000 brick and steel addition; 2 stories, new front and tower, maple floors, new furnace room and front foundation, hollow and interior floor tile; furnishings, equipment, etc., \$5000 to \$8000; items to be purchased include heating plant, new light fixtures, new glass for all windows, etc., address Pastor, 132 Polk St.; J. B. Brower, Jr., Archt.\*

Md., Hampden—Methodist Protestant Church, Rev. Raymond W. White, Pastor, 1201 W. 42nd St., plans \$37,000 addition, Falls Rd. and 42nd St.; 2 stories.

Miss., Hazlehurst—First Baptist Church, L. N. Ellis, Chmn. Bldg. Comm., probably start work within 60 days on \$75,000 brick and stone building, Extension St.; R. H. Hunt, Co., Archt., James Bldg., Chattanooga, Tenn.\*

Mo., Dexter—Christian Church, Rev. C. C. Clappitt, Pastor, will erect \$35,000 Christian Church.

Mo., Springfield—Hamlin Memorial Baptist Church, Atlantic St., Rev. Gordon C. Bayless, Pastor, will complete superstructure, cost about \$11,000; auditorium seat 1000.

N. C., Asheville—First Baptist Church, R. J. Lewis, Chmn. Bldg. Comm., 49 College St., probably start work within 60 days on \$525,000 building, Woodfin and Oak Sts.; two 2-

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Fla., St. Cloud—Ancient Free and Accepted Masons and Order of Eastern Star will erect temple; Dixie Highway.

Fla., St. Petersburg—Young Men's Christian Assn., care Dr. W. M. Davis, 342 First Ave., North, receives bids July 25 for 6-story building; cost \$500,000, 100x200 ft., hollow and interior tile, concrete floors, ventilators, rolling partitions, mail chutes, ornamental terra cotta, steel sash and trim, wire glass, swimming pool, lockers, cafeteria, etc.; Woolpert & Brown, Archts.\*

Fla., Tampa—Volunteers of America, Capt. Geo. Meredith, organizing local branch, plan to establish home, hospital and school for under-privileged girls.

La., Alexandria—Ancient Free and Accepted Masons will erect \$250,000 fireproof temple; steel frame and face brick, stone or terra cotta trim, 4 stories, 106x193 ft., 2 electric passenger elevators; stores on first floor, lodge and social rooms on second and third, auditorium to seat 1000 on top floor; Sam Stone, Jr., Archt., 714 Union St., New Orleans; Herman J. Duncan, Asso. Archt.; ready for bids in about 60 days.\*

La., Shreveport—Scottish Rite Masons let contract at \$20,000 to Paul M. Heerwagen to decorate Scottish Rite Cathedral.

N. C., Greensboro—Young Men's Christian Assn. has following low bids for building: General, W. P. Rose, Goldsboro, \$220, plumbing, Hunt Bros., 407 Walker Ave., \$23,975; heating, W. W. Dick, 246 Bellemeade St., \$15,719; electric work, Harold Ross, 112 E. Fisher Ave., \$6500; structure, 5 stories; first floor and trim of Indiana limestone, brick above; swimming pool, exercise room, gymnasium, etc.; Harry Barton, Archt., Jefferson Standard Bldg.\*

Tenn., Chattanooga—Young Men's Christian Assn. plans building for Southside Branch, Frank R. Corwin, Sec., 2116 Wayside St.

Tenn., Memphis—Independent Order of Odd Fellows, F. M. Lane, Sec., 91 Illinois Ave., will erect Medical Arts and Grand Lodge Bldg., 117 Seventh Ave., South, after plans by N. A. Sundholm, care Bryan, Semmes & Brodge, Memphis; bids opened in about 30 days; cost \$750,000, 12 stories and basement, reinforced concrete faced with brick and ornamental terra cotta, fireproof, auditorium to seat 1000, 70-car garage.\*

Va., Danville—Young Men's Christian Assn. approved plans and soon call for bids for remodeling and addition to building; cost \$75,000; Heard & Chesterman, Archts., Masonic Temple Bldg., Danville, and Lynchburg.\*

Va., Martinsville—Patrick Henry Lodge No. 82, K. of P., will erect \$40,000 building; brick, 3 stories; stores on first floor.

W. Va., Charleston—Masonic Club plans \$25,000 clubhouse, Midland Trail; site donated.

#### Bank and Office

D. C., Washington—Washington Central

Trust, Albert O. Hagar, Pres., Metropolitan National Bank Bldg., is having plans prepared by Coolidge, Shepley, Bullfinch & Abbott, Ames Bldg., Boston, Mass., for \$2,250,000 bank, office and store building, 15th St., New York ave., and G St., 10 stories, marble and limestone, 180,000 sq. ft. floor space; construction in 30 days.

Fla., Fort Myers—Snell Bros. will erect \$25,000 fireproof brick and stucco office building; 3 stories, 15x60 ft., concrete, tile and oak floors, concrete foundation, built-up roof, ventilators, steel sash and trim; E. S. D. Martin, Archt. (Lately noted under Stores.)\*

Fla., Hollywood—D. and S. Pappas, 2327 Broadway, New York, will erect 3-story arcade building, Boulevard; 3 stories, 100x121 ft., Spanish type, stucco; stores and offices; Rubush & Hunter, Archts., Indianapolis, Inc., and Hollywood.

Fla., Melbourne—Melbourne Investment Co. will erect \$60,000 concrete and hollow tile office building; 3 stories, built-up roof, 60x120 ft., quarry tile and hardwood floors, concrete foundation, mail chutes; W. M. Christen, Archt. (Lately noted under Stores.)\*

Fla., Miami Beach—Reid Properties Co., care Fred Rand, Columbia Bldg., Miami, will erect 3-story office building, Washington Ave. and Fifth St.

Fla., Miami—Federal Realty Co. will erect \$35,000 office building, W. Flagler St., near Second Ave.; 3 stories, concrete and tile, 24 offices.

Fla., Orlando—Orange Investment Co. will erect \$50,000 building, E. Washington St.; 3 stories; stores on first floor, offices above.

Fla., St. Petersburg—First National Bank, T. A. Chabellor, Pres., probably let contract within 10 days for 4 additional stories to present structure, Central Ave. and Fifth St.; M. Leo Elliott, Archt., 616 Hall Bldg.; now altering interior of present structure.\*

Fla., Tampa—W. T. McGowan purchased site, Franklin St. near Constance St., and considers erecting 5 or 6-story office building.

Fla., West Palm Beach—G. J. Cohen, Dr. J. C. Crist and Geo. Kline have 99-year lease on site, Olive St., and will erect \$500,000 10-story office building.

Miss., Meridian—Neville Building Corp. will remodel and add third story to Meyer Bldg., Fourth St. and 23rd Ave.; cost \$20,000.

Md., Baltimore—W. J. Sneeringer, Jr., 602 Orkney Rd., Govans (Station Baltimore), will erect residence, Pinehurst Rd., Pinehurst.

Md., Mount Airy—First National Bank, John R. Lewis, Vice-Pres., will erect \$35,000 fireproof building to replace burned structure; 1 story, 45x45 ft., concrete floors, foundation and roof, steel sash and trim, wire glass; furnishings and equipment, \$6000. Address Rosel E. Mitchel, Archt., Chevy Chase, Md.\*

Miss., Jackson—Standard Oil Co., Jefferson St., reported to erect \$200,000 office building and service station, N. State, Amite and North Sts.; plans by W. E. Glossop, Archt.-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



story and two 3-story educational buildings surrounding main auditorium; Douglas D. Ellington, Archt., Wabash Bldg., Pittsburgh, Pa.\*

N. C., Hatteras—Methodist Church plans building. Address The Pastor.

Okla., Duncan—First Methodist Church, Rev. Jas. E. McConnell, Pastor, selected Hawk & Parr, Cotton Exchange Bldg., Oklahoma City, as architects for church and brick parsonage; open bids about Aug. 10 or 15; cost \$75,000, including equipment.

Okla., Enid—First Presbyterian Church, Rev. D. M. Diener, Pastor, approved plans for \$225,000 building; main auditorium erected first, seat 1500, 100-ft. towers, cost \$125,000; R. W. Shaw, Archt.\*

Okla., Newkirk—Rev. S. F. Murphy, Pastor, Baptist Church, advises not building.\*

Okla., Tulsa—First Baptist Church selected Clyde H. Woodruff, 2550 Viceroy St., Fort Worth, Tex., as architect for \$175,000 brick building, Fourth and Cincinnati Sts.; 2 stories, 90x140 ft., concrete floors furnishings, equipment, etc., \$50,000. Address Dr. W. O. Anderson, Pastor, 1143 N. Main St.\*

S. C., Greenville—Central Baptist Church, C. S. James, Chmn. Bldg. Comm., will erect additions; Jones & Trott, Inc., Archts.\*

Tenn., Knoxville—Lincoln Park Baptist Church will erect building. Address The Pastor.

Tenn., Nashville—A. M. Burton, Jr., Pres. Life & Casualty Insurance Co., 309 Church St., interested in Central Church of Christ; property purchased on Fifth Ave.; utilize present building and erect auditorium; clinic, cafeteria and clothes store to be operated in connection with church.

Tex., El Paso—First Christian Church, W. C. Denton, 1321 E. Nevada St., member, Board of Trustees, purchased site, Mesa Ave. and Franklin St.; will remodel 3 two-story rooming houses on site and later probably erect \$600,000 10-story church and office building.

Tex., Fort Worth—Ellison Memorial Methodist Church will erect \$40,000 fireproof building, Cleburne Rd. and Gordon Ave. to replace burned structure. Address The Pastor.

Tex., Greenville—Minor Baptist Church, Rev. B. D. Rowland, Pastor, Greenville, plans building.

Tex., McAllen—Methodist Church, Rev. R. L. Armor, Pastor, will erect \$250,000 church and office building; 5 stories, basement and balcony, reinforced concrete frame, hollow tile, brick and art stone, 60x120 ft.; 4 floors for offices; Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio.\*

Tex., Pharr—Episcopal Church will erect \$10,000 building. Address the Rector.

Tex., Port Arthur—First Presbyterian Church, Rev. T. Alves Davis, Pastor, has plans completed for \$40,000 brick and hollow tile unit of \$150,000 structure, Fifth Ave. and Mobile St.; 2 stories; construction probably by day labor or on cost plus basis; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg., Beaumont.\*

Tex., San Angelo—Chadbourne Street Methodist Church, J. W. Mason, Chmn. Bldg. Comm., considers erecting \$18,000 brick, stone and reinforced concrete building.

Tex., San Antonio—Temple Beth El, Morris Stern, Chmn. Bldg. Comm., care Ullman, Stern & Krause, Walnut and Dakota Sts., receives bids July 29 at office Seutter & Simons, Archts., Builders Exchange Bldg., for hollow tile and stucco community center and synagogue, Ashby and Belknap Sts.; cost \$250,000, 2 stories and basement, balconies; separate bids same date on heating, plumbing, wiring, ventilation, refrigeration and vacuum cleaner.\*

Tex., San Antonio—St. Edward's R. C. Church, Rev. P. J. O'Grady, Pastor, will erect \$30,000 building, N. Hill Ave.; brick and stone, 1-story, 55x110 ft.; F. J. Woerner & Co., Archts., 503 Central Bank Bldg.

Tex., Sour Lake—Catholic Church, Rev. Martin Collins, Pastor, will erect 1-story brick and concrete building; Jos. C. Beck, Archt., 318 San Jacinto Life Bldg., Beaumont.

Va., Clarendon—Methodist Church plans building. Address the Pastor.

Va., Midlothian—Mt. Pisgah Methodist Church plans to rebuild structure burned at \$15,000 loss. Address the Pastor.

### City and County

Ala., Selma—Dallas County, W. M. Vaughan, Probate Judge, receives competitive plans Aug. 1 for \$50,000 fireproof courthouse annex; 60x70 ft.

Fla., Arcadia—President of City Council receives bids Aug. 11 for city hall; cost about \$50,000; J. B. McCrary Engineering Corp., Engrs., Citizens Bank Bldg., Atlanta, Ga.\*

Fla., DeFuniak Springs—Walton County Board of Commrs., W. I. Stinson, Chmn., selected S. J. Welch, Pensacola, as architect for \$150,000 courthouse.\*

Fla., DeLand—Volusia County Board of Commrs. voted to levy tax to erect \$300,000 courthouse, Indiana and New York Aves.

Fla., Leesburg—City Commission selected Alan L. MacDonough, Leesburg and Eustis, as architect for \$60,000 city hall 2 stories and basement, 80x48 ft.

Fla., Melbourne—City will erect \$15,000 fire station and jail; 2 stories, 44x46 ft., cement and wood floors, poured concrete foundation, built-up and tile roof, hollow and interior tile, ventilators; bids opened about Aug. 1. Address City Clerk or DeLoe & Tyler, Archts.\*

Fla., Orlando—City, J. A. Stinson, Clk., voted \$175,000 auditorium bonds; brick and hollow tile, 140x210 ft., about 40 ft. high, main assembly room seat 4000; Geo. E. Krug, Archt., 541 Hillcrest Ave.\*

Fla., St. Augustine—St. Johns County Board of Commrs., J. D. Rahner, Chmn., will erect jail.

Fla., St. Petersburg—City Commission, Erle Renwick, member, plans building to accommodate Floridal Art School, Memorial Historical Museum and Woman's Club; also interested in armory.

Fla., Tampa—City, Perry G. Wall, Mayor, ready for bids on fire station, Florida and Ross Aves.; cost \$25,000; Frank Dunham, Archt.\*

Fla., West Palm Beach—City, Henry Stephen Harvey, Mayor, votes July 29 on (late noted July 14) \$2,000,000 bonds, including \$11,500 for casino and \$175,000 for central fire and police station.\*

Fla., West Palm Beach—Palm Beach County Board of Commrs., Fred E. Fenno, Clk., receives bids Aug. 5 for fireproof courthouse annex; cost \$250,000, 3 stories and basement, 65x142 ft., tile, maple and concrete floors, concrete foundation, composition roof; plans and specifications from W. B. & W. D. Talley, Archts., Lakeland; also receive bids same date for vault work in courthouse annex and alterations of vault work in present courthouse.\*

Ga., Columbus—City authorized city manager to receive bids for memorial entrance and 9 tiers of seats on north end Memorial Stadium; section now under construction by Columbus Construction Co., Murrah Bldg.\*

La., Crowley—Arcadia Parish Police Jury, J. E. Daigle, Sec., selected Wm. R. Burk, Balter Bldg., New Orleans, as architect for brick jail addition to courthouse.

La., St. Bernard—Wogan & Bernard, Archts., Title-Guarantee Bldg., New Orleans, receive sub-bids Aug. 4 on alterations and repairs to St. Bernard Parish courthouse; bids on following: Thompson millwork, plastering and ornamental plastering, waterproofing, sheet metal work, composition roofing, plumbing and steam heating, glazing and painting.

Miss., Canton—Madison County Quarterly Court, Roy L. Ozier, Chmn., receives bids Aug. 8 for repairs to courthouse; cost about \$40,000; Claude H. Lindsley Archt., Lamar Life Bldg., Jackson; specifications from County Clk.\*

Mo., Caruthersville—Pemiscot County, Frank Baird, County Clk., votes Aug. 4 on \$50,000 jail bonds; 2 stories, concrete floors and foundation.\*

Mo., Chillicothe—City will erect city hall; Z. B. Myers, Archt.; plans completed; will vote on \$75,000 bonds.

Mo., Farmington—Saint Francois County will vote on \$250,000 bonds for fireproof courthouse. Address County Commrs.

Mo., Kansas City—Kansas City Public Improvement Assn. is considering proposition to erect central police headquarters with municipal courtroom; will include \$250,000 in proposed bond issue for annex to Convention Hall, new city hall and courthouse, improvements to tourist camp, etc.\*

N. C., Charlotte—Mecklenburg County Board of Commrs. consider selling present courthouse and erecting new structure.

N. C., Greensboro—City, P. C. Painter, City Mgr., receives bids July 29 for construction, including wiring of fire station, Greene St., near Bellemade St.; also bids for plumbing and drainage and for heating; plans and specifications from C. C. Hartmann, Jefferson Standard Life Bldg.\*

N. C., Reidsville—City will erect \$100,000

city hall; Harry Barton, Archt., Jefferson Bldg., Greensboro.

Okla., Oklahoma City—City, David Woodson, Pres., City Comsn., votes Aug. 4 on \$60,000 municipal market bonds.

Okla., Oklahoma City—City considers erecting steel and stucco market, Exchange and Western Aves.; 100 ft. sq. with 8x18-ft. steel booths on exterior at each end; C. Moulton, member, Marketing Comm., Fruit & Trust Growers' Assn., interested.

Okla., Taloga—Dewey County Commrs., Walter Thomas, County Clk., receives bids July 25 for finishing interior and exterior of courthouse; foundation and walls completed; 3 stories and basement, cost \$60,000; Maurice Jayne, Archt., First National Bank Bldg., Oklahoma City.\*

Tex., Abilene—City, Chas. E. Coombs, Mayor, votes Aug. 10 on \$125,000 bonds for city hall, \$75,000 for auditorium, both brick, stone and reinforced concrete, and \$50,000 for brick and concrete fire station.\*

Tex., Houston—City, Allie Anderson, Fire Commr., will take bids in week or ten days on reinforced concrete central fire station and firemen's school, Capitol Ave. and Bagby St.; cost \$100,000, 2 stories, 70x81 ft., concrete and wood floors, piling foundation, Barrett floor, hollow tile, Anderson Hale fire doors, wire glass, steel sash and trim, ornamental terra cotta; Brickley & Brickley, Archts., 611 State National Bank Bldg.\*

Tex., San Antonio—City, John W. Tobin, Mayor, receives bids shortly for the first unit of \$100,000 museum and art building, San Pedro Park; cost \$25,000; concrete and rock, red tile roof; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.; 2 units later.

Va., Danville—City Council, A. M. Aiken, City Atty., selected Heard & Chesterman, People's Nat'l. Bank Bldg., Lynchburg, and Masonic Temple Bldg., Danville, as architects for \$350,000 city hall and courthouse building; probably complete plans by latter part of Aug. and open bids by Sept. 30; probably white stone.\*

Va., Fort Myer Heights—Arlington County Board of Supervisors, E. C. Turnburke, Chmn., will erect \$100,000 jail.\*

Va., Staunton—City, W. F. Day, City Mgr., will remodel city hall, Main St.; extend front 9 ft., marble, terra cotta trim; cost about \$60,000; 321x72 ft., stores on first floor; Lee Smith & Vandervoort, Archts.-Engrs., Richmond, Mr. Day advises project postponed for present.

Va., Tenn.-Bristol—Bristol, Tenn., L. H. Gammon, Mayor, receives bids July 30 for fire station, Fourth St.; C. B. Kearfott, Archt.

### Dwellings

Ark., Fort Smith—Ben Meister will erect \$10,500 stone and tile residence, 3-5 Wynona Ave., Hillcrest addition; 2 stories, 8 rooms.

Fla., Dinsmore—Hashba Textile Co., Mrs. Eula Baker, Sec., 125 W. Sixth St., Jacksonville, reported to receive bids at once for 100 fireproof tenement houses, church, Y. M. C. A., bank, etc. (See Buildings Proposed—Miscellaneous.)

Fla., Fort Lauderdale—Fort Lauderdale Master Builders' Assn., C. H. Thomas, Pres., plans number of small dwellings.

Fla., Fort Lauderdale—Peter P. Cappel, Pres. Cappel Realty Corp., New York, will erect about 50 dwellings; cost \$5000 to \$12,000 each; Francis L. Abreu, Archt., drawing plans for 6 to cost \$7500 each.

Fla., Hollywood—Dr. Randall Collins will erect \$20,000 residence.

Fla., Lakeland—A. D. Boreng will erect \$13,700 residence, Palmole Park.

Fla., Lakeland—H. E. Cale will erect \$16,000 residence, Hiawatha Heights.

Fla., Lakeland—Lena M. Grass will erect \$12,000 residence, Alta Vista addition.

Fla., Miami—R. M. Davidson, City Mgr., Coral Gables, will erect \$15,000 residence, Section B, Coral Gables; H. W. Nicholes, Contr.

Fla., Miami—F. E. Kame will erect \$22,000 residence, Alhambra Circle, Coral Gables; 2 stories.

Fla., Miami—W. I. Fickling will erect \$30,000 residence, Venetian Islands; 60-ft. frontage, 3 baths, built-in garage; Frank Wyatt Woods, Archt.

Fla., Miami—J. O. Harley, 351 N. W. Third St., will erect \$25,000 residence, N. E. Fourth Ave and 19th St.; reinforced concrete and hollow tile.

Fla., Orlando—Cooper-Atha-Barr Co., S. H. Atha, member, 303 E. Robinson St., will erect 100 dwellings during 1925.

Fla., Ormond Beach—J. E. T. Bowden,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Waycross, Ga., reported to erect residence.

Fla., Pensacola—Arthur Brisbane, care Evening Journal, 238 William St., New York, reported to erect winter residence, Innerarity Island.

Fla., Pensacola—Chas. H. Christie, care Arthur Brisbane, 239 William St., New York, reported to erect winter residence, Innerarity Island.

Fla., Pensacola—Will H. Hays, 522 Fifth Ave., New York, reported to erect winter residence, Innerarity Island.

Fla., Pensacola—John H. Perry, 50 Church St., reported to erect winter residence, Innerarity Island.

Fla., Pensacola—Dr. Albert Show, 55 Fifth Ave., New York, reported to erect winter residence, Innerarity Island.

Fla., Sarasota—A. R. Smart, New York, will erect winter residence, McAnn section, Sarasota Beach.

Mo., Sedalia—Louis Bahrenberg will erect residence.

Fla., West Palm Beach—A. G. Hartridge will erect \$14,000 residence and garage, El Cid addition.

Fla., West Palm Beach—W. Stine will erect \$11,500 residence and garage, Flamingo Park.

Fla., West Palm Beach—Chas. J. Trevail will erect \$10,000 residence and garage.

Ky., Louisville—J. E. Offer will erect \$10,000 residence, 62 Valley Rd.

Ky., Louisville—C. W. C. Porter will erect 5 dwellings, 1619-27 Shady Lane; total cost \$10,000.

Ky., Louisville—W. J. Pruiss will erect residence, 2229 Edgell Rd.; cost about \$10,000.

Ky., Louisville—Frank Robinson will erect 9 dwellings, 2400-06 and 2401-09 Concord Rd.; cost \$7000 each.

La., New Orleans—Orleans Homestead Assn., 1632 Orleans St., will erect \$23,600 single dwelling, Fontainebleau Drive and Pine St.

La., New Orleans—Albert Arduna will erect 4 double cottages, Laurel and Henry Clay Sts.; total cost \$14,000.

La., New Orleans—W. J. Acomb will erect duplex, 8416 Apricot St.; cost about \$10,000.

Md., Baltimore—Louis E. Brown, 1202 Oakhurst Place, will erect residence, Buckingham Rd., Milford.

Md., Baltimore—Dr. Stewart Paton, Princeton, N. J., reported to erect residence, Wendover and Juniper Rds., Guilford.

Md., Catonsville (Branch Baltimore)—Wm. A. Leister, 300 N. Calhoun St., Baltimore, will erect cottage, Frederick Ave., Holme-hurst.

Mo., Clayton (Ind. Branch St. Louis)—Barney Schrantmeyer, Richmond Heights, will erect brick residence, Bellevue Square; 28x32 ft., cost about \$10,000.

Mo., Kansas City—Duplex Building Co. will erect 3 duplexes, 2901-03 W. 33rd, 4832-34 Liberty and 5300-02 Charlotte Sts.; total cost \$25,000.

Mo., Kansas City—Western Cities Investment Co., 510 Lathrop Bldg., will erect 5 dwellings, 3501 E. 41st, 4128 Cleveland and 4115-4144-4220 Monroe St.; total cost \$15,000.

Mo., Mexico—Howard Rhodus will erect residence, Southwestern Ave.

Mo., St. Louis—Warne Niedringhaus, 4629 Pershing St., will erect residence, Ladue Rd.

Mo., St. Louis—T. P. Barnett Co., Arcade Bldg., drew plans for Spanish Colonial type duplex, Watkins Drive and Meramec Ave., Davis Place; brick, tile and Portland cement stucco, tile and terrazzo floors; constr. supervision by Archts.

Mo., St. Louis—Louis A. Hager, Jr., Gravois Rd., will erect residence, keeper's lodge, combination stable and garage and swimming pool, 20-acre tract, Denny Rd.

Mo., St. Louis—Frank X. Hiemenz, Title Guarantee Bldg., will erect \$40,000 residence, Grant Rd. near Big Bend Rd.; Spanish type, stucco, 1 story.

N. C., Greensboro—B. R. Croves will erect 2-story residence, 412 McAdoo St.; 10 rooms.

Okl., Oklahoma City—R. E. Thomas, 2206 W. 20th St., will erect 3 dwellings, 2028 W. 20th, 1908 W. 21st and 713 W. 33rd Sts.; total cost \$13,000.

S. C., Anderson—Mrs. S. E. Moore will erect \$25,000 residence, East River St.

S. C., Greenville—F. C. Case will erect residence, 17 E. Earle St.; cost about \$10,000.

S. C., Greenville—E. E. Hardin, 310 Pren-

tiss Ave., will erect 2-story Colonial residence, Prentiss Ave.; Jones & Trott, Archts., 432½ S. Main St.

S. C., Greenville—Robt. Stephenson will erect residence, Paris Mountain; Jones & Trott, Archts., 433½ S. Main St.

S. C., Union—Mrs. F. H. Garner will erect \$30,000 stucco and hollow tile residence; tile or slate roof, oak and tile floors, brick and concrete foundation, interior tile; items to be purchased include brick, tile, reinforcing steel, ornamental iron and castings, roofing tile, plaster, cement, lime, paint, millwork, plumbing and heating. Address Jones & Trott, Inc., Archts.; contract not yet let.\*

Tex., Austin—Mrs. R. L. Bewley, Austin National Bank Bldg., will erect \$10,000 stucco residence, Lawless subdivision.

Tex., Beaumont—Mrs. Lillian L. Slack, 987 Magnolia Ave., will erect \$20,000 frame residence; 2 stories, 8 rooms, cement tile roof; Jos. C. Beck, Archt., 318 San Jacinto Life Bldg.

Tex., Cameron—Robt. McLane has low bid at \$34,000 from E. Eggert for brick and hollow tile residence; 2 stories and part basement, 11 rooms; Birch D. Easterwood, Archt., 614 Liberty Bank Bldg., Waco.

Tex., Dallas—Blessing & Fuller will erect 7-room brick veneer residence, 4425 Rawlins St., cost \$12,000.

Tex., Dallas—O. O. Akers, 6243 Goliad St., will erect \$10,000 residence by day labor; brick veneer, 1 story, 8 rooms.

Tex., Dallas—Curt Beck, 414 Bush Temple, will erect \$30,000 residence, Highland Park; hollow tile or brick veneer and stucco, 2 stories, 30x18 ft.; Eugene E. Davis, Archt., 414 Republic Bank Bldg.

Tex., Fort Worth—Mobley & Delany, Texas National Bank Bldg., will erect 4 brick veneer dwellings, 2239 Forest Park Blvd., 2033 Willshire St., 2020 Windsor Place and 301 Jessamine St.; total cost \$37,500; also repair 2 dwellings, 1800 Hurley St. and 1509 Eighth St., total cost \$1400.

Tex., Fort Worth—Dr. A. V. Ponton, Farmers & Merchants Bank Bldg., will erect \$35,000 Spanish type residence; hollow tile and stucco, 2 stories and basement, 40x80 ft., tile roof; Jos. R. Pelich, Archt., 213 W. T. Waggoner Bldg.

Tex., Luling—M. K. Townes will erect \$15,000 residence; frame, 2 stories; Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio; plans about ready.

Tex., San Antonio—A. Jowdy, 425 N. Leona St., will remodel residence, Martin and Soledad Sts.; low bid at \$15,542 from Chas. H. Brient; Henry T. Phelps, Archt., Hicks Bldg.

Tex., San Marcos—Miss Elizabeth Falls will erect \$15,000 residence; Swiss chalet type, 1½ stories, cobble stone; Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio.

Va., Richmond—Anne E. Weber will erect \$10,000 cinder block residence, 1503 Avondale Ave.

### Government and State

Fla., St. Augustine—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids Aug. 17 for enclosing verandas and exterior painting, including incidental changes in mechanical equipment at post office; drawings and specifications from Custodian at site or from office Supervising Archt.

Md., Kensington—Maryland National Guard, Clarence V. Sayer, Capt., will erect \$60,000 armory.

Md., Silver Spring—Maryland National Guard, Jos. C. Cissel, Capt., will erect \$60,000 armory, Brookeville Pike.

Tex., Dallas—Post Office Dept., Frank E. McMillin, Supt. of Quarters, 1421 Twentieth St. N. W., Washington, D. C., has option on 2 sites, blocks 13 and 44, and receives bids Aug. 1 from contractors who will erect and lease post office quarters; cost about \$600,000. (Lately noted under Fla., Dallas.)\*

### Hospitals, Sanitariums, Etc.

D. C., Washington—Bureau of Yards and Docks, Navy Dept., L. E. Gregory, Ch., rejected bids for extension to nurses' quarters, Naval Hospital; later call for new bids.\*

Fla., Arcadia—DeSoto County will vote on \$150,000 hospital bonds; election date not set. Address County Commrs.\*

Fla., West Palm Beach—Good Samaritan Hospital, Dr. W. E. Van Landingham, Supt.,

probably start work Aug. 1 on \$175,000 to \$200,000 addition.\*

Fla., Winter Haven—Mrs. Wm. Bragg Watts, Boston, Mass., reported to erect Watts Memorial Hospital; site not selected.

Ga., Macon—City and Bibb County plan tuberculosis hospital, probably County Farm property, near Swift Creek. Address City or County Commrs.

La., New Orleans—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids Aug. 12 for construction, including mechanical equipment, lighting fixtures and incidental approach work, of 1-story non-fireproof nurses' quarters building, about 43x44.6 ft., and for raising, underpinning, altering and repairing present hospital building at United States Quarantine Station; drawings and specifications from Dist. Engr., U. S. Custom House, New Orleans, or from office Supervising Archt.

Miss., Natchez—Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson, receives bids Aug. 5 for 3-story, brick, fireproof Chamberlain-Rice Hospital; cost \$100,000, asbestos shingle roof, vacuum cleaning system, 75 beds.\*

N. C., Huntersville—Mecklenburg County Board of Commrs., Floyd M. Gresham, Sec., receives bids Aug. 4 for ordinary type tuberculosis hospital; cost \$100,000, 2 stories, 190x58 ft., composition floors, concrete foundation, slate roof; Louis H. Asbury, Archt., 1514 E. Fourth St.; Leigh Colyer, Landscape Archt., all Charlotte; drawings and specifications from Archt. and on file County Commrs. office, Courthouse, Charlotte.\*

N. C., Raleigh—State Hospital for Insane will erect building to accommodate 40, 15-room wing, boiler house and remodel south wing of main building; cost about \$125,000; Chas. C. Hook, Archt., 338 S. Church St., Charlotte.

N. C., Sanatorium—North Carolina State Tuberculosis Sanatorium, A. B. Croom, member, Winston-Salem, will erect nurses' home; plans drawn.\*

Okl., Clinton—State Board of Public Affairs, Carl L. Rice, Chmn., Oklahoma City, will erect \$5000 supt.'s residence, \$30,000 heating plant and \$30,000 negro ward at Western Oklahoma Tuberculosis Sanatorium.

Tenn., Knoxville—Lyons View Hospital (for insane), Dr. R. E. Smith, 1810 Chicago Ave., Gen. Mgr., will start work about Aug. 10 or 15 on 2 additional buildings; accommodate 150.

Tenn., Memphis—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids Aug. 17 for extension to quarters of Asst. Surgeon, including incidental changes in mechanical equipment of U. S. Marine Hospital; drawings and specifications from Medical Officer in charge at station or from office Supervising Archt.

Tenn., Nashville—Davidson County Tuberculosis Hospital Board of Managers receives bids July 28 at office Asmus & Clark, Archts., 634 Stahlman Bldg., for alterations and additions to administration building, Buena Vista Pike.\*

### Hotels and Apartments

Fla., Arcadia—Michael Schlossberg let contract in about 30 days for \$40,000, 3-story, 132x85 ft. hotel building; built-up or metal roof, pine and concrete floors, rock foundation, metal ceilings, ventilators, ornamental terra cotta; Martin & Son, Archts., Fort Myers.\*

Fla., Coral Gables—Lido Seville Hotel Co., Douglas S. Cramer, Pres.; W. H. Avery, Vice-Pres., 1226 N. 56th St., both Kansas City, start work latter part of Aug. on \$2,000,000, 250-room Hotel Lido Seville, Bird Road, to accommodate 350 people.\*

Fla., Coral Gables—A. B. Platt erect \$23,000, 2-story apartment building.

Fla., Daytona Beach—Robert S. Pollet, Wooster, Mass., Joseph Cohen and B. S. Chase, eastern capitalists, purchased property, Main St. and Grandview Ave., reported to plan \$75,000, 7-story hotel building.

Fla., Daytona — A. Aronovitz, Townley Bldg., Miami, heading syndicate, purchased property, Orange and Palmetto Aves., announced tentative plans for \$500,000 hotel and business block.

Fla., Daytona — S. Marcus Fechheimer, Cincinnati, Ohio, present address Clarendon Hotel, purchased Scheer Building, S. Beach St.; plans immediate extensive improvements.

Fla., Fort Lauderdale—Tom M. Bryan has plans in progress by Francis L. Abreu, for two \$25,000, 2-story, Colonial design, stucco and tile, 6-family apartment houses.

Fla., Hollywood—Dr. Randall Collins erect \$20,000 apartment building.

Fla., Hollywood—J. M. Kagey erect 8-apart-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



ment building, Sixth Ave. and Polk St.; Spanish style, stucco finish.

Fla., Homestead—Chamber of Commerce, Lions' Club and Realty Board launched campaign to erect \$300,000, 5-story, steel, reinforced concrete and hollow tile, 100-room hotel, Krome Ave. and Seventh St.; shops and offices on street frontage, roof garden; organization will be incorporated for \$250,000.

Fla., Little River—L. T. Cooper has plans by John N. Bullen, Metropolitan Bldg., Miami, for \$150,000, 160x140-ft., 100-room with bath Hotel Everglades, Everglades Ave. and Arra St.; first floor contain lobby and 15 shops.

Fla., Little River—H. B. Hawkins, New Haven, Conn., and Stanley G. Hardie, New York, purchased property, Dixie Highway and Florence Ave., north of Little River; erect 24-apartment hotel.

Fla., Manatee—Thomas DeFranco erect 6-family apartment house, Graham Ave.

Fla., Miami—A. E. and H. G. Allsop erect \$60,000, 3-story, concrete block and stucco, 18-apartment building, 1228 N. W. 4th St.

Fla., Miami—H. B. Greene erect \$22,000, 2-story apartment building, 621 N. E. 22d St.

Fla., Miami—Wolpert Realty & Improvement Co., 275 N. E. 25th St., erect \$115,000, 3-story, 29-family apartment building, S. W. Sixth Court and 5th St.

Fla., Miami—All States Societies Corp., Fred C. Maurer, Pres., 167 N. E. First St., plans to erect All State Club Hotel, S. W. cor Tenth St. and N. E. Second Ave., contain 500 rooms besides banquet halls, auditorium and roof garden; Day & Zimmerman, Archts., 16th and Walnut St., Philadelphia, Pa.

Fla., Miami—Mr. and Mrs. A. Newman erect \$40,000, 2-story, cement block, 8-family apartment building, 1017 S. W. Ninth Street.

Fla., Miami—Earl Roberts, 1144 S. W. 5th St., erect \$20,000, 2-story, cement block, 8-family apartment building, 1114 S. W. Fifth St.

Fla., Miami—W. H. Smith Building Co., erect 2-story, 12-family apartment house, S. W. Fifth St.

Fla., Miami—Sid S. Sturgis, 1906 S. W. 4th St., erect \$18,000, 2-story apartment house, S. W. Fourth Terrace.

Fla., Miami—Grapeland Boulevard Co., C. Dan Wallace, Pres., 103 S. E. First St., contemplates erecting \$2,000,000, 300-room hotel, Trade St. and Bayshore Drive; also plans business blocks along Grapeland Blvd.

Fla., Miami—Southern Bell Telephone & Telegraph Co., Vernon Bird, Local Mgr., reported to erect \$200,000 dormitory to house employees.

Fla., Miami—B. Levy, New York, present address Seabreeze Hotel, Miami, announced plans for \$150,000, 3-story building, S. W. 16th Ave. and Sixth St.; 10 stores on first floor, apartments above.

Fla., Miami Beach—A. H. Erickson has plans by William H. Brown, for \$72,000, 43-room hotel building, Euclid Ave. and Ninth St.

Fla., Miami—Syndicate Properties, Inc., Jerome Cherbino, Pres., 215 Espanola Way, erect 3-story, 55x160-ft. building, Sixth St. and Alton Road; stores and offices on first floor, bachelor quarters above.

Fla., Miramar—Miss Suzanna Keener, 203 N. 90th St., New York, present address Julia Tuttle Hotel, Miami, purchased lot and plans to erect 6-story apartment building.

Fla., Orlando—Cooper-Atha-Barr Co., 112 S. Orange Ave., erect drug store and 16-room apartment house, S. Dixie Highway.

Fla., Palm Beach—R. C. McCarley erect \$12,000 apartment building within 2 months.

Fla., Palm Beach—Sidney Maddock, owner of Palm Beach Hotel, destroyed by fire, announced plans for replacing with \$7,000,000, Spanish and Moorish design, 500-room hotel, to be known as Palm Beach Royal; will be designed by Frank Andrews, Allen & DeYoung, 40 E. 42nd St., New York, and a Spanish architect.

Fla., Palatka—Board of Directors of Chamber of Commerce contracted with Hockenbury System, Inc., Harrisburg, Pa., to finance new hotel at cost of \$475,000.

Fla., Palmetto—C. S. Skinner and associates erect 3-story, hollow tile and stucco apartment house, Central St. and Riverside Drive; first unit to be complete Jan. 1st, consist of 42 apartments; total cost \$180,000.

Fla., Pensacola—West Florida Development & Investment Co., Peter L. Rosasco, Pres., have plans in 2 weeks by D. Willis,

for 4-story, Spanish type, stucco finish, 109-apartment hotel, W. LaRua St., between Spring and Baylen Sts.

Fla., Sebring—H. O. Sebring proposes to erect \$200,000, 3-story store and rooming hotel.

Fla., Tavares—Hockenbury System, Inc., Harrisburg, Pa., and committee of Chamber of Commerce sell stock for erection of tourist hotel.

Fla., Tampa—Hillsboro Hotel, Twigg and Florida St., expend \$20,000 for remodeling and modernizing interior; address the Proprietor.

Fla., Winter Haven—W. F. Boyd erect 2-story Spanish type, 23-room, 80x106 ft. hotel this summer; also garage apartment for 20 cars with servant quarters above; \$50,000; in connection with development at Eagle Lake.

Ga., Savannah—Mrs. C. M. Harkness purchased property, Maupas Ave.; erect two 2-story frame apartment houses; \$10,000.

Miss., Gulfport—Benjamin H. Marshall, 721 N. Michigan Ave., Chicago, Ill., reported interested in organization to build winter resort between Gulfport and Biloxi on Gulf Coast, to cost \$5,000,000; plans to include hotel, golf courses, tennis courts, polo fields and other facilities.

Mo., Jefferson City—Realty Holding & Investment Co., incorporated by H. Van Staenbroeck, Live L. Peck and Edward S. Block, all St. Louis; start construction within 3 weeks on \$600,000, 8-story, 180-room hotel, Adams and High Sts.; Kennerly & Stiegmeier, Archts., Title Guarantee Bldg., St. Louis.

Mo., Kansas City—C. L. Lewis erect two 2-story \$10,000 apartments, 3125-7 McGee St.

Mo., St. Louis—Coronado Hotel Co., 307 N. Spring St., has permit for \$20,000, brick, 88x80-ft., 1-story addition; Preston J. Bradshaw, Archt., 1012 International Life Bldg.

N. C., Charlotte—Wesley T. and P. J. Heath, 306 Plaza St., erect \$18,000, 12-room, 2-story, 36x52-ft. apartment building, 708 Hawthorne Lane; vapor heat.

N. C., Charlotte—J. C. Hurley, Tory, expend \$30,000 for enlarging and renovating Myers Park Apartments.

Okla., Tulsa—Blair Brothers, Palace Bldg., agents for H. J. and Dr. A. Sophian, 405 Waldheim Bldg., Kansas City, announced plans for \$1,200,000, fireproof, reinforced concrete and brick, Renaissance design, 8-story, basement and roof garden, "Y" shaped Sophian Plaza apartment hotel, 15th and Frisco Sts.; 56 apartments of from 4 to 8 rooms; Shepard & Wiser, 1208 R. A. Long Bldg., Archts., Kansas City.

Tenn., Knoxville—Church & Market Co., incorporated by A. P. Brown, Dr. R. P. Oppenheimer, 417 W. Church Ave.; Dr. Herbert Acuff, 425 W. Church Ave., and others, for erection of 12-story, 250-room hotel and 3-story and basement garage; Weaver & McGill, 425 W. Church Ave., Contrs. for garage; Lenord Dow, Archt.

Tenn., Nashville—Charles U. Coggins, Galatin Park, and A. J. Linx, 319 Union St., plan to erect \$25,000, 100-room summer hotel at Wooddale Grove.

Tex., Albany—Mrs. Wade McLemore and others erect \$60,000, 50-room, brick, stone and reinforced concrete hotel building; \$10,000 bonus being raised.

Tex., Dallas—T. R. Burns, 1100 Collin St., erect \$15,000, 10-room, brick veneer, 2-apartment building, 2109-11 N. Fitzhugh St.

Tex., Dallas—L. C. Crow, 4115 Gilbert St., erect \$12,700, 18-room, brick veneer, 4-apartment building, 4113-15 Gilbert St.

Tex., Dallas—H. M. McNeil erect two 8-room, brick veneer, 2-apartment buildings, 1642-4 and 1650-2 Emery St.; \$13,000.

Tex., Dallas—H. Nathanson, 2517 Park Row, erect \$18,000, 22-room, brick veneer, 4-apartment building, 2834 South Boulevard.

Tex., Dallas—George P. Boyer, 211 S. Taylor St. has plans in progress by D. D. Swindle, 310 N. Texas Bldg., for \$45,000, 2-story and part-basement, brick veneer, 43x76 ft. apartment house, Neches St.

Tex., Dallas—H. H. Daniels, 1317 Plowman Ave. has plans in progress by John W. Westbrook Co., 407½ N. Bishop Ave., for \$75,000, 2-story, 70x114 ft., brick veneer, English type apartment building.

Tex., El Paso—Charles A. and A. C. DeGross opened bids for erecting \$1,000,000, 130x120 ft., 300-room Hotel Orndorff; Ramey Brothers, Mills Bldg., reported as low bidders on general contract; Trost & Trost, Archts., Two Republics Bldg.\*

Tex., Greenville—Greenville Hotel Investment Co. authorized Lindsey & Kilmer

Archts., call for bids for erection of proposed hotel, St. John and Washington Sts.\*

Tex., Harlingen—J. J. Burk, Weslaco soon have plans by Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, for \$50,000, 3-story and roof garden, 96x140 ft., reinforced concrete frame, tile, stucco and brick hotel building; cement floors, reinforced concrete foundation, hollow tile, interior tile, metal ceilings, metal doors, steel sash and trim, tar and gravel roof.\*

Tex., Lampasas—E. R. Misener has preliminary plans in progress by Roy E. Lane, 115 N. Fifth St., Waco, for \$75,000, 50 to 60-room, brick and stone hotel building.

Tex., Port Arthur—Herbert M. Greene, Archt., Alamo Natl. Bank Bldg., San Antonio, has preliminary plans in progress for 3-story, reinforced concrete frame, brick, hollow tile, plaster, stucco addition and remodeling present Plaza Hotel Co. building, Lakeshore Drive; \$150,000.

Va., Virginia Beach—Roland Holding Co., care E. R. Laskin, New York, purchased Rudolph Cottage, near Seventh St., reported to plan erecting 10-story, 300-room hotel; associate of Mr. Laskin practically closed for another site for 300-room hotel, with apartment-hotel adjoining.

Va., Lexington—Robert E. Lee Hotel Corp., Edwin P. Conquest, Pres., American Natl. Bank Bldg.; James C. Wheat, Sec. and Treas., 118 N. Morris St.; both Richmond, purchased Lexington Hotel, replace with \$250,000, 100-room structure.\*

Va., Virginia Beach—George B. Post & Sons, Archts., 101 Park Ave., New York, authorized to prepare plans for \$900,000 Virginia Beach Hotel, to be built with funds raised by stock subscription; English design, 1 wing, 6 stories and other 7 stories; call for bids about September 1; Neff & Thompson, Asso. Archts., Seaboard Bank Bldg., Norfolk; N. D. Maher, 1124 Second St. S. W., Roanoke, chmn. of committee.\*

Va., Portsmouth—Alexander O. Ferebee, Arcade Bldg., and B. B. Spigel, Va. Natl. Bank Bldg., Archts., representing group of men, announced plans for proposed fireproof, 100-room hotel.

### Miscellaneous

Ala., Montgomery—Home—Children's Home Board of Trustees, H. G. Evans, Pres., erect \$20,000, fireproof building on Upper Wetumpka Road.

Fla., Dinsmore—Hashba Textile Co., Mrs. Eula Baker, Sec'y., 125 W. 6th St., Jacksonville, receive bids immediately for 100 fireproof tenement houses, church, school house, Y. M. C. A. building and bank, in connection with development of 187-acre tract for cotton textile mill; J. M. Short, Gen. Supt. of Construction. (See Land Development.)

Fla., Jacksonville—E. M. Elliott, Pres. of Jacksonville Beach Corp., and Attorney E. J. L'Engle, Law Exchange Bldg., made preliminary arrangements for organization of Florida Beach Corp., for erection of \$1,500,000 worth of buildings within 18 months; \$300,000 casino will be first structure to be erected; plans under way by John Miller, 1009 E. Ashley St.; Edwin Salisbury and Roy A. Benjamin, 1732 Riverside Ave., Chmn. architectural board of Jacksonville Beach Corp.; John J. Watson, Landscape Archt.

Fla., Miami—Miami Anglers' Club plans erection of assembly room and hotel rooms as addition to their property, 243 N. E. First St.; 64x44 ft., \$40,000; Pfeiffer & O'Reilly, Archts., Hahn Bldg.

Tex., Marlin—Marlin Country Club, care W. F. Smith, has completed plans by Duke A. Lovell, 312 Providence Bldg., Waco, for \$10,000, 2-story, 66x30 ft., frame and stucco clubhouse.

Fla., San Antonio—W. E. Currie, 909 Force Press Bldg., Detroit, Mich., plans to erect golf course and clubhouse; Stiles & Van Kleet, Archts., 97A Newbury St., Boston, Mass., and St. Petersburg.\*

Fla., Sarasota—Adair Realty & Trust Co., Healey Bldg., Atlanta, Ga., announced immediate construction of clubhouse.

Fla., St. Petersburg—Casino—Henry Kohler, Archt. and K. W. McCray, 12th St. and Second Ave. N., plan erection of 212x79 ft., hollow tile and colonial buff stucco, Moorish type, \$120,000 negro casino, Fifth Ave. and 11th St. South; contain 11 stores, filling station, dance hall and hotel accommodations; 127x36 ft. building on 11th St. to contain 12 apartments.

Fla., Tavares—Tavadors Golf & Country Club, L. B. Saffer, Pres., announced immediate construction of clubhouse.

Fla., Tampa—Tampa Athletic Club being organized by Dan H. Boyle, Sec., Miami

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Athletic Club and others, contemplate erecting 16-story building.

**Md., Baltimore**—Home—Rev. Edwin L. Leonard, Archdiocesan director of charities of Catholic Church, announced plans for erection of \$200,000 home for aged women in Roland Park, work to start next year; will be conducted by Sisters of Charity.

**Mo., Piedmont**—Mountain Lake Hunting & Fishing League plans to erect \$28,000 lodge building.

**N. C., Siler City**—Chatham County Fair Assn., Ernes Brewer, Mgr., erect main exhibit hall.

**Okla., Tulsa**—Market—Producers' Co-operative Co., R. D. Rees, Sec., leased city property, Archer and Boulder Sts., erect \$200,000 market building and feed mill; 1-story and basement, concrete and steel; M. C. Cross, Archt., Nebraska Bldg., completed plans.\*

**S. C., Chester**—R. H. McFadden erect clubhouse and 9-hole golf course.

**Tenn., Knoxville**—Home for Friendless Babies, 2343 Woodbine St., care Oscar Handly, Chmn. Board of Directors, soon start work on \$35,000 building, Cecil St.

**Tex., Dallas**—Ted Jones, Sec. Junior Chamber of Commerce, 1631 Pear St., sponsoring erection of \$15,000 waiting station on Feris Plaza.

**Tex., El Paso**—Electra Country Club plans to erect brick, stone and concrete clubhouse.

**Tex., Fort Worth**—Cafeteria—H. T. Pangburn & Co., Houston and 7th Sts., receiving bids for remodeling; \$55,000, brick, stone and steel, 55x95 ft.; W. G. Clarkson & Co., Archts., 606 First Natl. Bank Bldg.

**Tex., Marshall**—Central East Texas Fair Assn. expend \$65,000 for additional exhibit buildings.

**Tex., Palacios**—Baptist Young People's Union, W. J. Lites, Pres., Galveston, plans \$25,000 improvements; include new bathhouse and bathing pier.

**Tex., Waxahachie**—R. H. Smellage replace frame building, Elm and Franklin Sts., with new structure; type not decided.

**Va., Danville**—Orphanage—Col. A. H. Carrington, Pres. Board of Directors of Hughes Orphanage, commissioned Heard & Chesterman, Archts., Masonic Temple Bldg., Danville, and Peoples Natl. Bank Bldg., Lynchburg, prepare plans for about 40 Southern Colonial type, brick buildings, provided in bequest by late John E. Hughes; first buildings to be erected are administration, dormitory for boys, dormitory for girls and heating system; work start in fall on administration buildings, chapel, hospital, 19 two-story buildings, group of industrial buildings, schoolhouses, heating unit.\*

### Schools

**Ala., Akron**—State of Alabama, Montgomery, let contract to J. A. Wood, Marion, for \$20,000, 1-story, 6-classroom and auditorium, brick High School; composition roof, wood floors, concrete foundation; general contract includes heating and plumbing; major items to be purchased include pupils desks, teachers' tables and chairs. Address Edward L. Colebeck, Hale County Supt. of Education, Greensboro; plans by State.\*

**Ala., Anniston**—Alabama Military Institute, Col. E. B. Fishburne, Supt., plans to erect new 3-story unit, contain gymnasium and assembly hall and classrooms.

**Ala., Gadsden**—Board of Education has plans in progress by A. D. Simpson for \$25,000 school in East Gadsden and \$25,000 annex to Eleventh St. school; 126x90 ft., 2 stories, brick, pine floors, concrete foundation, 5-ply tar and gravel roof, hollow tile, interior tile, ventilators.\*

**Ala., Tuscaloosa**—City voted \$100,000 bonds for improvements in High School and Jamison School; address Board of Education.\*

**Ala., Tuscaloosa**—Christian Churches of Alabama, Georgia, Florida and Mississippi start work by Jan. 1 on first units of School of Religion on grounds of University of Alabama; States to raise \$500,000; Doctor Reaves, Lexington, Ky., and Dr. George Denny, Pres. of University, members survey committee.

**Ark., Conway**—Board of Trustees of Arkansas State Teachers College, B. W. Torreyson, Pres., receive bids at office Department of Education, State House, Little Rock, on Aug. 12 for erection of practice building and for repairs and enlargement of present heating system; plans and specifications may be obtained from Witt, Seibert & Halsey, Archts., Texarkana, Ark.\*

**Ark., Jonesboro**—Agricultural & Mechan-

ical College Board of Trustees plans to erect new building.

**D. C., Washington**—District Commissioners, Room 509 District Bldg., opened bids for erecting new school in Manor Park; low bid \$20,000 above appropriation; King, Low Co., Charlottesville, Va., low, at \$157,400; Schneider-Spliedt Co., 1416 "F" N. W. St., next at \$159,000; A. L. Harris, Municipal Archt., 1728 17th St., N. W.\*

**D. C., Washington**—District Commissioners, Room 509 District Bldg., erect 16-room addition or fourth story addition to Park View School; A. L. Harris, Municipal Archt., 1728 17th St., N. W.

**Fla., Crescent City**—See Fla., Palatka.

**Fla., Lake Worth**—School District No. 4 voted \$175,000 school bonds. Address Palm Beach County Board of Public Instruction, West Palm Beach.\*

**Fla., Marietta**—See Fla., Whitehouse.

**Fla., Palatka**—Putnam County Board of Public Instruction call election Aug. 4 on \$200,000 bonds for erecting \$150,000 high school at Palatka and \$50,000 high school at Crescent City; Mark & Sheftall, Archts., 210 Clark Bldg., Jacksonville, Archt. for Palatka.

**Fla., Tampa**—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., authorized Franklin J. Adams, Archt., Grand Theater, prepare plans for proposed opportunity school, Ross and Tampa Sts.; approved plans by Francis Kennard, Krause Bldg., open bids July 29 for \$65,000, 16-classroom and auditorium Sulphur Springs grammar school.

**Fla., Whitehouse**—Duval County Board of Public Instruction, Jacksonville, considering calling \$100,000 bond election in School Tax District No. 6, comprising Marietta, Whitehouse and Pasadena, for erection of 2 schools; Mrs. F. S. Chaffee, member Board of Trustees.

**Ga., Augusta**—Richmond County Board of Education purchased property on Milledgeville Road, as site for proposed consolidated school.

**Ga., Milledgeville**—Willis Irvin, Archt., Lamar Bldg., Augusta, completing plans for Gothic type school building on campus of Georgia Military College, contain 10 classrooms, auditorium to seat 500, toilets, lockers, etc.

**Ga., Molena**—See Ga., Zebulon.

**Ga., Concord**—See Ga., Zebulon.

**Ga., Summerville**—Summerville School District voted \$15,000 bonds for addition to high school. Address Board of Trustees.\*

**Ga., Zebulon**—Molena School District votes Aug. 3 on \$10,000 bonds for new school; Zebulon and Meansville may issue bonds for new buildings; address Pike County Board of Education.

**Ky., Winchester**—Kentucky Wesleyan College Board of Education erect \$100,000 gymnasium.

**La., Monroe**—Ouachita Parish School Board receives bids July 27 for 2-room frame school at Breard Springs; plans and specifications may be obtained from J. W. Smith, Archt., Ouachita Bank Bldg.

**La., Opelousas**—Evangeline Preparatory School, Board of Directors, Basile, accepted offer of 30 acres of land and \$20,000 by Opelousas Chamber of Commerce, for removal of school.

**La., Winnboro**—Franklin Parish School Board, J. L. McDuff, Supt. of Education, let contract to L. A. Ellis, K St., Monroe, at \$59,341, for 2-story, 142-88 ft. with 56x88 ft. auditorium High School building; yellow pine and tile floors, concrete foundation, Barrett roof, metal ceilings, interior tile; Monroe Electric Supply Co., 108 N. Second St., Monroe, electric work; Winnboro Plumbing Co., plumbing; major items to be purchased include furnishings and heating; John W. Baker, Archt., Crowley.\*

**Mo., Kansas City**—Board of Education soon call for bids for \$300,000, 3 and 4-story West Side Junior High School Building, 20th St., between Summit and Madison Ave.; swimming pool, 2 gymnasiums, auditorium and library; Charles A. Smith, Archt., 800 Finance Bldg.

**N. C., Greensboro**—Guilford County Board of Education opened bids for erecting 4-room addition to Sumner School; W. B. Hunt, Pleasant Garden, low bidder, at \$16,500; Howerton-Chandler Co., 215 E. Sycamore St., low on heating at \$1400; Harry Barton, Archt., Jefferson Bldg.\*

**N. C., Kingston**—City voted \$150,000 bonds for new high school building. Address Board of Education.

**N. C., Louisburg**—A. W. Mohn, Pres. of

Louisburg College, announced gift of \$50,000 by Benjamin N. Duke, 511 Fifth Ave., New York, and W. Chapel St., Durham, toward \$500,000 expansion fund.

**N. C., Lumberton**—Robeson County Board of Education receives bids July 27 for 10-room brick school building in Liberty School District.

**N. C., Raemon (Mail Alma)**—Board of Liberty School District, M. A. Thompson, Sec., received bids July 7 for erecting graded school building; plans and specifications may be obtained from John H. Bonitz, Asst. Director of Schoolhouse Planning, Raleigh.

**S. C., Blacksburg**—J. L. Hancock, Chmn. of Board of Trustees of centralized high school district, selected Willis Irvin, Lamar Bldg., Augusta, Ga., Archt., for \$100,000 brick trimmed in stone, 2-story, "T" shaped High School building.\*

**S. C., Cottageville**—Cottageville Consolidated School District voted \$10,000 bonds for erecting High School building; Prof. C. K. Ackerman, Supt. of Schools.

**Tenn., Covington**—Board of Education, B. S. Jamison, Sec. erect \$25,000, 2-story, 30x80 ft. addition and repairs to Byars Hall High School; tin roof, wood and concrete floors, plaster board, rolling partitions; major items to be purchased include brick, flooring, ceiling, roofing and heating equipment.\*

**Tenn., Englewood**—City Election Commission call election July 25 on \$20,000 bonds for completion of high school and add auditorium.

**Tenn., Knoxville**—School Board, L. H. Spillman, Pres., contracted with Wm. B. Ittner, Board of Education Bldg., St. Louis, as Consulting Archt. in execution of \$2,250,000 school building program.\*

**Tenn., Lewisburg**—Marshall County Board of Education plans to erect high school building.

**Tenn., Memphis**—Regan & Weller, Archts., released revised plans and specifications for \$175,000 Negro Industrial High School; 3 stories, reinforced concrete, structural steel, fireproof, built-up roof, steel sash, tile partitions, face brick, cut stone; bidders as follows: Kaucher-Hodges Co., Shrine Bldg.; Estes-Williams-Ragsdale, Madison Ave.; W. C. Owen & Co.; Wessell Construction Co.; B. E. Buffalo & Co., 63 S. Third St.; D. D. Thomas & Son, 463 N. Dunlap St.; H. J. Gilbertson & Co., Goodbar Bldg.; F. J. Ozanne & Co., Madison Ave. Bldg.\*

**Tenn., Nashville**—Board of Education erect \$75,000 addition to Tarbox School, Broad St.; Henry C. Hibbs, Archt., Fourth & First Natl. Bank Bldg.

**Tex., Abilene**—City votes Aug. 10 on \$160,000 bonds for new school building; Charles E. Coombs, Mayor.\*

**Tex., Fairview**—Board of Education, W. T. White, Supt., selected Voelcker & Dixon, 311 Morgan Bldg., Wichita Falls, prepare plans for \$75,000, brick, stone and concrete school building.

**Tex., Premont**—Board of Education has plans in progress by Paul G. Silber & Co., Bedell Bldg., San Antonio, for \$19,000, 1-story, 4-room and auditorium school building.

**Tex., San Antonio**—San Antonio Independent School District voted \$300,000 bonds for \$200,000, brick, steel and reinforced concrete school building, Berkshire Ave. and Yorkshire Place, South Side; \$100,000 for remodeling, etc., other schools; Phelps & DeWees, Archts., Gunter Bldg.\*

**Tex., San Antonio**—Westmoreland College, Dr. E. R. Stanford, Pres., expend \$10,000 for remodeling and renovating administration building; include 6-room addition.

**Tex., Tilden**—School Board, W. S. Graff, Sec., receives bids July 25, for \$16,000, 1-story, hollow tile and concrete school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.\*

**Va., Atlee**—See Va., Hanover.

**Va., Hanover**—Hanover County Board of Education plans additions and improvements to high schools at Atlee and Montpelier.

**Va., Portsmouth**—Harry A. Hunt, Supt. of Schools, receives bids Aug. 7 for 16-room school building in Seventh Ward; brick, frame and concrete, 3 stories, 153x69 ft., composition roof, wood, terrazzo and concrete floors, hollow tile, metal ceilings, metal doors, ornamental terra cotta, wire glass; plans and specifications may be obtained from Charles M. Robinson, Archts., Times-Dispatch Bldg., Richmond, or seen at C. M. Major's office, Commercial Bldg., and Builders and Contractors' Exchange, Montecello Arcade Bldg., Norfolk.

**W. Va., Huntington**—Marshall College,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Dr. Morris P. Shawkey, Pres., expend \$25,000 for equipment during next two months.

W. Va., Weston—Board of Education of Freeman's Creek District, Lloyd G. Losh, Sec., announced erection of 4-room school building; bids to be received Aug. 1.

### Stores

Ala., Birmingham—E. L. Norris erect \$25,000 stores, 1915 Fourth Ave. South.

Ala., Ensley—Hood-McPherson Furniture Co. purchased lot on Avenue F, plans to erect business building.

Ala., Tuscaloosa—R. B. Wilby, 3030 M.T.N. Ave., Birmingham, and G. B. Grimes, Tuscaloosa, erect \$10,000, 1-story, brick business building, Board St.

Fla., Bartow—Mrs. T. L. Marquis contemplates erecting business building.

Fla., Daytona Beach—J. G. McGrory Co., 1107 Broadway, New York, M. B. Shelton, southern representative, purchased 48-ft. frontage on Main St., plans to establish store.

Fla., Miami—Foster-Reynolds Co., 100 E. Flagler St., erect \$40,000 third floor addition, E. Flagler St. and First Ave.

Fla., Miami—Arthur H. Gannon, 33 N. W. Second Ave., soon let contract for business block, S. W. 33rd St. and S. W. 26th Ave.

Fla., Sebring—Henry Pierson, 323 Flatbush Ave., Brooklyn, N. Y., plans to remodel building, Ridgewood Drive, for 17-store arcade; fireproof, Spanish type, tile floors.

Fla., Sebring—J. P. Sugrue, Kitterly, Maine, purchased 150-ft. frontage on Lemon St.; reported to erect business and apartment building.

Fla., Tampa—H. S. Dawson, 709 S. Boulevard St., erect \$20,000 store and apartment building, 301-3 Willow Ave.

Fla., Vero Beach—Senator T. J. Campbell erect \$75,000, 2-story arcade building, stores on first floor, 18 apartments above.

Ga., Atlanta—S. Creety erect \$10,000, 1-story brick store, 779-83 Highland Ave.

La., Crowley—Crowley Trust & Savings Bank, Parkerson Ave. and E. Second St., erect 2-story brick addition.

Md., Salisbury—R. E. Powell Co. make extensive alterations and improvements to department store, Main St.; new 15-passenger elevator.

Mo., Caddo—E. L. Welch erect store building.

Mo., Fulton—J. N. Dutton erect 22x60 ft. business building, E. Fifth St.

Mo., Kansas City—Coleman & Kuhn Paint & Glass Co., 815 McGee St., leased property, 813 McGee St.; erect 1-story, brick, 24x115-ft. building.

Mo., Kansas City—Gotham Apartment Co., Linwood and Chestnut Sts., B. L. Joffman, Vice-Pres., erect \$45,000, 2-story and basement store and apartment building, Ninth and Campbell Sts.

Mo., Poplar Bluff—W. N. Barron plans extensive improvements to building occupied by O'Neal Mercantile Co.

Mo., St. Louis—Abe and Lena Cohen purchased building, 2600-6 Franklin Ave.; plan improvements.

N. C., Charlotte—S. H. Kress & Co., N. Tryon St., soon let contract for improvements and fourth floor addition.

Tenn., Nashville—Castner-Knott Dry Goods Co., 618 Church St., expend \$100,000 for alterations to store, Church St. and Seventh Ave.

Tex., Beaumont—J. C. Penny Co., New York, receiving bids for remodeling store building; brick, 3 stories, 44x120 ft., \$30,000; Schenk & Fulweiler, Archts., 303 Perlstein Bldg.

### Theaters

Fla., Miami—Arthur H. Gannon, 33 N. W. Second Ave., soon have completed plans by E. G. Cobella for theater building in Silver Bluff business center; also contain 8 stores with apartments above.

Tex., Waxahachie—John N. Savag, Ennis, announced plans for \$35,000 theater building.

Va., Harrisonburg—Weinberg & Sacks purchased motion picture house; expend \$50,000 for improvements.

### Warehouses

Ala., Birmingham—Mrs. M. C. Banks, 1034 S. 81st St., erect \$10,000 warehouse, 25th St. and First Ave. South.

Fla., Miami—Standard Oil Co., 3535 N. E.

Second Ave., erect \$15,000, 2-story warehouse and office building, 61 N. W. 11th St.

Ga., Atlanta—Massell Realty Co., 43½ Peachtree St., erect \$25,000, 2-story, brick warehouse, 419-21 Whitehall St.

Md., Baltimore—William A. Conway, 626 Forrest St., purchased property, Mulliken St. and Central Ave., plans to erect 3-story warehouse.

Tenn., Memphis—Memphis Street Railway and Memphis Power & Light Co. received bids, expect to award contract about Aug. 1, for \$400,000, 3-story and basement, 110x325

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Fla., DeLand—St. Johns Lodge, A. F. & A. M., let contract for \$50,000 temple, S. Woodland Blvd. and W. Howry Ave., to Leo Alshelmer; W. J. Carpenter, Archt.\*

Fla., Miami—American Legion let contract for \$140,000 lodge building, N. Bay Shore Drive and Eighth St., to George A. Fuller & Co., Fuller Bldg., New York, Miami, etc.; Chas. P. Nieder, Archt.

Mo., Mexico—King's Daughters let contract at \$12,884 to G. T. Elliott for addition.

Tenn., Morristown—Morristown Lodge No. 23, A. F. & A. M., has started remodeling and enlarging temple, Main and Henry Sts.; cost \$30,000, 3 and 4 stories, brick veneer; Barber & McMurtry, Archts., 425 W. Clinch Ave., Knoxville.\*

Tex., Waxahachie—Ancient Free and Accepted Masons will erect \$50,000 mill or emul-fireproof construction temple, W. Main St.; 3 stories, 44x90 ft., oak or maple floors, concrete foundation, composition roof, rolling partitions, vaults; furnishings, equipment, etc., \$5000 to \$10,000, address G. R. Porter; John W. Westbrook Co., Archt., 407½ N. Bishop St., Dallas; day labor.\*

### Bank and Office

Fla., Avon Park—First National Bank, J. V. Chapman, Cashr., let contract to Wm. J. Heim to remodel and erect temporary addition to banking quarters; cost \$10,000, stucco, 1-story, 50x70 ft., concrete floors and foundation, composition roof; plans by Contr.\*

Fla., Fort Pierce—Fred Fee let contract for \$75,000 reinforced concrete and hollow tile store and office building, S. Second St., to Geo. J. Hipp on cost plus basis; 2½ stories, 52x170 ft., cement tile and yellow pine floors, concrete foundation, built-up roof, metal doors, vaults, wire glass; space reserved for elevator; items to be purchased include steel, plate glass, tile flooring, plumbing equipment, vaults; John N. Sherwood, Archt., 316 Townley Bldg., Miami, Fort Pierce and Miami.\*

Fla., Okeechobee—Peoples Bank, D. R. McNeill, Pres., has started work on \$25,000 addition.

Fla., Sebring—E. J. Molter let contract for Spanish type office building, Ridgewood Drive, South; stucco.

Ky., Whitesburg—Geo. Hogg is putting in stone foundation for brick and steel store and office building; 3 stories and basement, 50.4x70 ft., metal ceilings, concrete and hardwood floors, ventilators, steel sash and trim; G. H. Zimmerman, Archt.; contract not let.

La., New Orleans—Following sub-contracts let for altering 3-story brick building, 311 Camp St., for New Orleans Association of Commerce: Glazing, Pittsburgh Plate Glass Co., 314 Girard St.; painting, R. D. Breland, 727 St. Joseph St.; roofing, Olympia Co.; plastering, Burd & Putfark; ornamental and miscellaneous iron, Bolland Machine & Manufacturing Co., 1006 Tchoupitoulas St.; tiling, Southern Tile Co., 523 Royal St.; millwork, Riecke Cabinet Works, 1052 Annunciation St.; waterproofing, D. S. Melvin, Whitney Bldg.; marble work, J. C. Valade; plumbing and heating, American Heating & Plumbing Co., 749 Baronne St.; elevator, Otis Elevator Co., 852 Carondelet St.; hardware, A. Baldwin & Co., Camp and Common Sts.; electric wiring, Electric Contracting & Engineering Co.; reinforcing steel, Ole K. Olsen, 822 Perdido St.; Dibold & Owen, Archts., Interstate Bank Bldg.; Jefferson Construction Co., Inc., 823 Poydras St., gen. contract at \$33,841.\*

N. C., Forest City—National Bank of Forest City let contract for \$75,000 fireproof bank and office building to Southeastern Construction Co., W. 3d St., Charlotte; 3

Va., Richmond—H. H. Nolte, 2511 W. Grace St., erect \$50,000, 1-story, brick and concrete warehouse, 413 E. Canal St. ft. warehouse; tile partitions, steel sash, hollow metal windows, all doors metal, skylights, built-up roof, Spanish tile roof, structural steel roof framing, face brick, terra cotta; plans and specifications by C. E. Shearer and Harry B. Hunter, Union Planters Bank & Trust Bldg., Engrs.; Sieg & McDaniels, Central State Bank Bldg., Archts.

Tex., Fort Worth—Traders Oil Mill Co. erect \$150,000 steel, warehouse, 3501 Jennings St.

stories and basement, 40x120 ft., cement, tile and terrazzo floors, concrete foundation, Barrett roof; Louis H. Asbury, Archt., 1514 E. 4th St.; vapor system of heating, Chas. W. Christian, Myers Park, all Charlotte; plumbing, Farmers Hardware Co.; electric work and elevator not let.

Tex., Denton—Buell Lumber & Manufacturing Co., 731 N. Hawkins St., has mill-work contract for \$115,000 Smoot-Curtis Bldg.; heating, C. S. Hopkins, 1409 N. Beckley Ave.; plastering, G. E. Lake, 4530 Bryan St.; Thompson & Swain, Archts., 1-03 S. W. Life Bldg.; J. O. Everett, Contr., Melba Bldg., all Dallas.\*

### Churches

Ala., Tusculumbia—J. K. Johnson, Sheffield, has heating, electric work and plumbing contract for \$80,000 stone, brick, wood and steel building for First M. E. Church, South; 3 stories, 156x70 ft., hardwood floors, concrete foundation, tile roof; furnishings, equipment, etc., \$25,000, including pews and organ, address B. F. Ridley, Chmn. Bldg. Comm.; date of opening furnishing bids not set; Alsop & Callahan, Archts., Rand Bldg., Memphis, Tenn.; Walker Brothers & Co., Contrs.\*

Ark., Fort Smith—Calvary Baptist Church, Rev. Warren P. Clark, Pastor, will erect brick veneer building, Tenth and U Sts.; 70x70-ft. main auditorium, Sunday school rooms.

Fla., Bradenton—Presbyterian Church is erecting 1-story hollow tile and stucco building; Jas. Nairn, Contr.; N. B. Winslow, Contr. Supervisor.

Fla., Daytona—Hebrew Assn., Harry Pepper, Pres., 541 Volusia Ave., let contract to Harry Gartner for \$15,000 brick synagogue and municipal center, Rogers Court and Daytona St.; plans by Contr.\*

Ky., Lexington—Mount Vernon Baptist Church, Rev. J. B. Head, Pastor, will erect \$16,000 Sunday-school building; 3 stories.

Md., Mt. Rainier—Baptist Church, Rev. H. S. Chenoweth, Pastor, is erecting building.

Miss., Flora—Baptist Church let contract on fee basis to H. P. Chastang, Robinson Rd., for \$20,000 brick bearing, wood joist Sunday school; 2 stories and basement, 30x60 ft., wood and concrete floors, concrete foundation, metal shingle roof; items to be purchased include brick, sand, cement, gravel, etc.; N. W. Overstreet, Archt., Overstreet Bldg., both Jackson.\*

Mo., Columbia—Methodist Episcopal Church, South, E. F. Stephens, Sec.-Treas., reported let contract for \$250,000 brick and stone church and Sunday school building to George Phillips; 3 stories, 138x190 ft., concrete and hardwood floors, concrete foundation, slate or tile roof; plans by Architectural Dept., Board of Extension of M. E. Church, South, H. M. King, Architectural Sec., 1115 S. Fourth Ave., Louisville, Ky.; excavation and foundation contract lately noted let to Phillips Construction Co.\*

Mo., Joplin—South Joplin Christian Church is erecting rubble stone, brick and concrete building; 3 stories, 116x83 ft., yellow pine floors, tar and gravel roof; items to be purchased include seats, address Chas. Carter; A. C. & A. S. Michaelis, Archts., 324 Miners Bank Bldg.; W. R. McCormick Construction Co., Contr., 1737 Maple St., wants sub-bids on rubble stone and cut stone work, plastering and lath work. (See Machinery Wanted—Power Saw Rig.)\*

Mo., St. Louis—Adasa B'Nai Yisroel Congregation is erecting \$40,000 brick synagogue, 5590 Ridge St.; steel trusses, 1 story and balcony, wood floors, wood and composition roof, interior tile, metal ceilings; Leo F. Abrams, Archt., 1123 Chemical Bldg.; Sol Abrahams & Son Construction Co., Contr., 1123 Chemical Bldg.; electric work, Fremden Electric Shop, 4916 Delmar Blvd.; plumbing, Sam Burman.\*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

N. C., Dover—Baptist Church let contract to J. H. Brackett, Casar, for brick veneer building; cost \$12,000 to \$15,000, including equipment.

N. C., Elizabeth City—Christ Episcopal Church let contract at \$34,000 to L. B. Perry for parish house and remodeling main auditorium; 2 stories, 28x80 ft., brick; plumbing, R. E. Lewis Co.; heating, J. S. Padgett; electric work also let; Benton & Benton, Archts., Fidelity Bldg., Wilson.\*

S. C., Greenville—St. Pauls Methodist Church, B. L. Rushing, member, Bldg. Comm., let contract to Cox & Hudgens, Emaxce Bldg., to remodel and enlarge building; cost \$40,000.\*

S. C., Little Mountain—Mount Tabor Lutheran Church, near Little Mountain, will erect brick building; construction by members. Address The Pastor.

Tenn., Jackson—First Christian Church is remodeling building; install pipe organ, etc.; total cost \$18,000.

Tenn., Knoxville—Magnolia Avenue M. E. Church, South, R. G. Wright, Chmn., Bldg. Comm., 2720 E. Fifth Ave., let contract to B. T. Thomas for \$150,000 building, Magnolia Ave. and Harrison St.; Tudor-Gothic type, 138x159 ft., brick, east stone trim, main auditorium seat 1100, 3-story Sunday school, pipe organ; Ryno & Brackney, Archts., 505 Henson Bldg.\*

Tex., Fannin—Catholic Church will erect building; Jesse Lankhart, Fannin, and Temple Simmons, Goliad, Contrs.

Va., Lynchburg—Fairview Christian Church let contract for \$26,000 building to C. B. Minnick, R. F. D. 3; auditorium seat 600, Sunday school rooms.\*

Va., Tenn., Bristol—State Street M. E. Church, South, J. E. Stone, Chmn. Bldg. Comm., let contract to C. J. Kingslover for \$35,000 Sunday school building; brick, 2 stories, 56x90 ft., Barber built-up roof, rift pine floors; Burnette, Dixon & Burnette, Archts.; plumbing, heating, electric work furnishings not let.\*

### City and County

Fla., Fort Lauderdale—Broward County let contract to Prescott & Boyd for \$15,000 frame and stucco courthouse wing; John M. Peterman, Archt.; Mr. Peterman also drawing plans for \$500,000 courthouse.\*

Fla., Titusville—Brevard County, N. T. Froscher, Circuit Clk., let contract for \$80,000 alteration and addition to courthouse to J. C. Hannah, Orlando; 3 stories, 60x80 ft., concrete foundation, cement, tile and composition floors, tile roof; DeLoe & Tyler, Archts., Melbourne.\*

Miss., Woodville—Wilkinson County let contract to Albert Plitt to repair courthouse.\*

Tenn., Smithville—DeKalb County, H. A. Bratten, Chmn., Bldg. Comm., let contract for \$41,000 courthouse to replace burned structure to Morgan & Bell, Murfreesboro; Tisdale, Stone & Pinson, Archts., 419 Independent Life Bldg., Nashville.\*

Tex., Brownfield—Terry County, H. R. Winston, County Judge, let contract at \$93,000 to Jim Morgan, Big Spring, for brick and stone courthouse; plumbing and heating, Roswell Plumbing & Heating Co., Roswell, N. Mex., \$7185; electric equipment, Owens Electric Co., Lubbock, Tex., \$2450; 3 stories and basement, 60x80 ft., tile floors and roof, concrete foundation; furnishings, equipment, etc., \$20,000; Peters & Haynes, Archts., Lubbock.\*

Tex., Lockhart—City let contract at \$43,407 to H. F. Bryan, 255 Porter St., for 1-story and part basement, rock veneer and concrete auditorium; English type, 108x65 ft.; Ellis Albaugh, Jr., Archt., care Albaugh-Wright Lumber Co., 641 Austin St., both San Antonio.\*

W. Va., Charleston—Kanawha County Court let contract at \$120,297 to Wallace Knight Construction Co., Obelan Bldg., to finish interior of courthouse annex; plumbing, West Virginia Water & Heating Co., \$8663.\*

### Dwellings

Ark., Little Rock—Dr. M. Ogden, 201 Gaines St., will erect \$26,000 stone residence 701 Oak St.; 2 stories, 100x34 ft. and 42x21 ft., hollow and interior tile, hardwood floors, plaster board, steel sash; M. E. Mazze, Archt., Arust Bldg.; Herron & Joy, Contrs., 3302 High St.; heating, lighting and plumbing not let.\*

Ark., Marianna—S. G. Helm will erect 7-room Dutch Colonial residence; Estes W. Mann, Archt., Madison Ave. Bldg., Memphis, Tenn.; Jennings & Samuels, Contrs.

Fla., DeLand—R. A. Wilson is erecting

\$15,000 residence, Clara and Minnesota Aves.; E. K. Jones, Contr.

Fla., Hollywood—C. W. Sammons let contract to E. A. Van Atten for \$30,000 residence, Hollywood Blvd. and 13th St., Lake Section; 2 stories, Spanish type.\*

Fla., Hollywood—J. W. Young has started work on Spanish type stucco residence, 11th St.; 8 or 10 rooms; Rubush & Hunter, Archts., Indianapolis, Ind., and Hollywood.

Fla., Jacksonville—T. W. Jenks will erect \$12,000 two-story brick veneer residence, Post St. near James St.; Capt. G. E. Smith, Contr.

Fla., Jacksonville—H. F. McAden, Riverside Ave., will erect \$11,500 dwelling, Park St. near Stockton St.; owner builds.

Fla., Jacksonville—J. Alvin Register, Graham Bldg., will erect \$10,000 residence, Riverside Ave. near Seminole Rd.; frame, 2 stories; J. H. Tuttle, Contr., 18th St.

Fla., Miami—Henry D. Allison will erect \$30,000 dwelling, Washington Place; Spanish type, 1 story, concrete block and stucco, tower; Fredericks-Hicks Co., Contrs.

Fla., Palmetto—Presbyterian Church let contract to B. L. Hammer Building Syndicate, Tampa, for manse, Central St.

Fla., Sarasota—W. V. Coleman is erecting \$35,000 residence, Indian Beach.

Fla., Sarasota—Herbert S. Sawyer let contract to Leadley Ogden for \$18,000 stucco residence, McClellan Park; Clas, Shepherd & Clas, Archts., 415 Milwaukee St., Milwaukee, Wis., and First Bank & Trust Co. Bldg.

Fla., Sebring—Geo. A. Driscoll, 1623 Delmont St., Cleveland, O., will erect 10 dwellings, Kenilworth Drive; Maxwell & Coffield, Contrs., Bartow; plan additional dwellings.

Fla., St. Petersburg—Russell L. Jones, care A. & J. Rug Co., will erect \$40,000 residence, Manzo Ave. near Oleander Way; 3 baths, hollow tile and stucco, tile roof, Spanish type, 3-car garage; Kiehnel & Elliott, Archts.; P. C. Reed, Supervising Archt.; C. H. Harp, Contr., E-456 18th Ave. N.

Fla., West Palm Beach—Theo. Eissfeldt has contract for dwellings, 38th Ave., Northwood Hills, for following: J. A. Haskell, J. M. Alvey, Louis D'Estene, Malcolm Bright, W. W. Wilkerson, W. C. Davis, H. P. Chapas, W. W. Whitaker, J. Golo, H. Harris, Mrs. A. E. Boyer, C. J. Bradley, R. M. Anderson, Arthur Hill, Phil Prichard; total cost \$150,000.

Ga., Augusta—W. B. Foster will erect 2-story stucco residence, Hill Crest Ave.; Scroggs & Ewing, Archts., Lamar Bldg.; W. O. Hallman, 2210 Central Ave., probable contr.

Ky., Paducah—Evening Sun let contract to Hester Andrews for \$8000 bungalow; 1 story, 52x50 ft.; heating, Ed Hannah, 319 Kentucky Ave.; electric work, Kilcoyne Electric Co., 102 Broadway St.; plumbing, Chastaine & Habacker, Masonic Bldg.; G. Tandy Smith, Jr., Archt., 625 N. Sixth St., also erecting Spanish type dwelling after plans by D. Harry Jamieson, Campbell Bldg.\*

La., New Orleans—Herman L. Fabian, 4938 Bienville St., will erect single residence, Frenchmen and Virginus Sts.; separate contracts; receiving sub-bids.

La., Monroe—G. B. Cooley is erecting \$12,000 residence, S. Grand St., near Bright St.; brick, tile roof, 8 rooms; Carl Swedeman, Contr.

La., Monroe—Elmer Slagle is erecting \$12,000 residence, St. John St. near Morris St.; brick veneer, 9 rooms, slate roof; Carl Swedeman, Contr.

La., New Orleans—B. A. Russ, 3900 Louisiana Avenue Pkwy., wants sub-bids on plastering and painting for 2 single dwellings and 1 duplex under construction, Elba and S. Rendon Sts.

La., New Orleans—Mrs. Wiley H. Billingsley and Dryades Building & Loan Assn., 1703 Dryades St., will erect \$10,900 duplex, Mobile and Pine Sts.; John W. Collins, Ch. Contr.

La., New Orleans—Mrs. C. Brooks will erect \$14,000 triplex, Fontainebleau Drive; Pierce & Co., Inc., Contr.

Md., Baltimore—City Real Estate Co., 11 E. Fayette St., will erect 10 frame dwellings, S. E. and N. E. cors. Morton and Norwood Rds.; 22x28 ft., 1-story, slate roofs; total cost \$30,000; Geo. Wessel, Archt., 30001 Lytleton Rd.; owner builds.\*

Md., Baltimore—Chas. A. Rowe, 509 N. Charles St., will erect \$10,000 frame residence and garage, E. side Norwood Rd. S. of Northway; 2½ stories, 33x47 ft. and 20x22 ft., slate roofs, hot water heat; Wm. F. Stone, Jr., Archt., Munsey Bldg.; Wm. P. Pearson, Contr., 4401 Underwood Rd.

Md., Baltimore—N. C. Sibley & Co., 402 St. Paul St., will erect 6 frame dwellings, Wesley Ave. near Exeter St., and 2 St. George Ave. near Woodbourne Ave.; 2 stories, 24x26 ft., shingle roofs, steam heat; total cost about \$30,000; E. Brown, Archt.; owner builds.\*

Md., Baltimore—Norman R. Freeman, 3502 Calloway Ave., will erect \$15,000 residence, N. side Northway W. of Underwood Rd.; 2½ stories, 40x64 ft., brick, slate roof, steam heating; J. R. Forsythe, Archt., 16 E. Lexington St.; John W. Hiltz & Sons Co., Contractor, 343 St. Paul St.\*

Md., Baltimore—Progressive Building Co., 4601 Harford Ave., is completing 40 dwellings of proposed 350-dwelling development, Garrison Lane and vicinity; L. Schoenlein, Archt., 4601 Harford Ave.; owner builds.\*

Md., Baltimore—Robt. C. Shaddick, 2955 Brighton St., will erect \$10,000 cottage and garage, N. E. cor. Forest Park Ave. and Forest Lane; 2 stories, stucco.

Md., Baltimore—C. Edgar Wood, Harford Rd., Hamilton, will erect 12 brick and stucco dwellings, Harford Rd., near Glendale Rd. and Clearview Ave.; 2½ stories; G. Edw. Green, Archt., 16 Bayonne Ave.; owner builds.

Md., Baltimore—Younger & MacEwen, 5802 Woodville Rd., will erect 3 frame dwellings, E. side Woodville Rd. near Sollers Ave.; 2 stories, 22x30 ft., total cost \$10,000; plans and construction by owner.

Md., Baltimore—Frank Novak Realty Co., 33d St., will erect 69 brick dwellings, both sides 2800 block Hammond Ave.; 2 stories; total cost \$250,000; owner builds.

Mo., Kansas City—Harry E. Fisher, Pres. erecting buff brick residence, 5345 Ward Fisher Building Co., Title & Trust Bldg., is Pkwy., green tile roof, 12 rooms, 3 baths, sleeping porch; Wm. J. Koch, Archt., 801 Mutual Bldg.

Mo., Maryville—Joseph Wheat Construction Co., Muskogee, Okla., will erect house, W. Second St.

Mo., St. Louis—M. Holly, 1000 Chestnut St., will erect 3 brick dwellings, 2812-16-18 Belt St.; 25x36 ft., gravel roofs, furnace heat; total cost \$12,000; J. Gamache, Contr., 1000 Chestnut St.

Mo., St. Louis—A. Schwind, 3408 Arsenal St., will erect \$10,000 brick residence and \$1100 garage, 3902 Federer St.; 2 stories, 31x33 ft. and 18x20 ft., slate roofs, hot water heat; Grunewald Construction Co., Contr., 3402 Arsenal St.

Mo., University City (Station St. Louis)—A. C. Brockmeyer, 5169 Delmar Blvd., will erect 3 brick dwellings and garages, 7316-20-24 Colgate Ave.; cost \$7500 each, 1½ stories, 32x34 ft., tile roofs, hot water heat; Earl Hoyt, Archt., 6374 Glenmore St.; Hoyt Construction Co., Contr., 6374 Glenmore, all St. Louis.

Mo., University City (Station St. Louis)—Samoto Realty & Building Co., 1205 Fullerton Bldg., will erect 5 brick bungalows, 7200-06-10-16-20 Colgate Ave.; 1½ stories, 38x41 ft. and 28x41 ft., tile roofs, hot water heat; A. Blair Ridington, Archt., 1205 Fullerton Bldg., both St. Louis; owner builds.

Mo., West Plains—Mrs. C. Dressler let contract for bungalow, Webster Ave.

N. C., Charlotte—J. J. Parker, Law Bldg., will erect \$22,000 brick veneer residence, Queens Rd.; 9 rooms; W. H. Peeps, Archt., 222 Latta Arcade; Virgil Presnell, Contr., 714 Worthington Ave.

S. C., Fort Mill—Fort Mill Manufacturing Co., Col. Leroy Springs, Pres., Lancaster, let contract to Knight & Daniel, Greenville, for 10 operatives' dwellings.

S. C., Gaffney—Mrs. Myrtle B. Sparks will erect 2 brick veneer dwellings, Victoria Ave.; 7 rooms; E. B. Huskey, Contr.

Tenn., Knoxville—Herbert D. Astor will erect 2 frame dwellings, 2700 block Magnolia St.; total cost \$12,000.

Tenn., Memphis—Phillip H. Wallace, Asst. Atty.-Gen. Shelby County, is erecting residence, North Drive and Charles Place; H. M. Burnham and J. Frazer Smith, Archts., Goodwyn Institute.

Tex., Dallas—J. H. Tucker, 109 S. Ewing St., is erecting English type brick veneer residence Cragmont St., Highland Park; 8 rooms, 2 baths, rough faced brick; David R. Williams, Archt., S. W. Life Bldg.\*

Tex., San Antonio—Kelwood Co., Travis Bldg., will erect \$13,000 nine-room dwelling, 230 Elsmere Ave., and \$6500 five-room dwelling, 315 Parland St.; both frame and stucco; plans and construction by owner.

Tex., San Antonio—Leo Singer, 4436 Broadway, will erect \$12,600 residence, Arigle Ave., Alamo Heights; hollow tile and

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



stucco; Amos Schweitzer, Contr., 129 Barilla Place.

Tex., San Antonio—R. S. Springall, 123 Lewis St., let contract to Blount & Brashear, 114 Drake Ave., for remodeling 2-story brick residence into frame and stucco; Aug. Herff & Co., Archts., San Antonio Loan & Trust Bldg.\*

Tex., Waco—Hawley McCall, 1909 Columbus Ave., will erect stone residence by day labor; 2 stories, 8 rooms; Roy E. Lane, Archt., 115 N. Fifth St.

Va., Richmond—Muhleman & Kayhoe, 2322 Rosewood Ave., will erect 2 frame dwellings, 2904-2906 Brook Rd.; cost \$3000 each; owners build.

W. Va., Clarksburg—Wallace B. Gribble, Bentley Apts., is laying foundation for \$30,000 brick and tile residence, 351 Buckhannon Ave.; 2 stories and basement, 40x53 ft., wood floors, tile roof; masonry to A. L. Shrum Co., 900 N. Pike St.; heating and plumbing, Stewart-McMunn Co.; electric work, Edw. Cole.\*

W. Va., Huntington—Geo. J. Caldwell, 1305 Eighth St., will alter and erect additions to residence; cost \$22,000, brick and frame, oak floors, concrete foundation, slate roof, hollow tile, plaster board; Sidney L. Day, Archt., First National Bank Bldg.; heating, J. H. Druen Co., 613 Ninth St.; plumbing, Hagen & Co., 310 11th St.; C. W. Harer, Contr., Euclid Place.

### Government and State

Fla., Gulfport—W. O. Brooks let contract on fee basis to E. E. Wilbur for \$10,000 frame and stucco building, Davis Blvd. and Bonaire St., for post office, store, living quarters, etc.; 2 stories, 50x50 ft., concrete floors, fireproof slated roofing, metal ceilings; plans and electric work by Mr. Wilbur; plumbing, Archie Hunt, St. Petersburg.\*

W. Va., Charleston—Minter Homes Corp., 340 Third Ave., Huntington, has contract for 19 kitchens and 19 mess halls for National Guard camp at Kanawha City; H. B. Cornwell, Act. Adjt. Gen., Cal Apts.

### Hospitals, Sanitariums, Etc.

Ga., Alto—State Board of Health, Joe P. Bowdoin, M. D., Deputy Commr. of Health, let contract for \$500,000 fireproof tuberculosis hospital to C. H. Van Ormer, Healey Bldg., Atlanta, and Herald Bldg., Augusta; heating and plumbing, Brumelow Plumbing & Heating Co., 39 W. Baker St.; electrical work, Bryant Electric Co.; elevator not let; Daniell & Beutell, Archts., 307-09 Healey Bldg., all Atlanta; structure concrete, 4 stories, various dimensions, concrete foundation, hardwood, concrete and other floors, hollow and interior tile, metal doors, vaults, ventilators, ornamental terra cotta, steel sash and trim, wire glass.\*

La., New Orleans—Southern Baptist Hospital Comsn., Dr. F. S. Groner, Chmn. Bldg. Comm., let contract at \$91,800 to R. P. Farnsworth & Co., Canal-Commercial Bldg., for brick nurses' home, Cadiz St. near Magnolia St.; 2 stories, 40x150 ft., composition roof, steam heating; piling to Doullut & Ewing, Queen & Crescent Bldg.; Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg.\*

N. C., Oteen (Mail Etowah)—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., let contract at \$65,623 to Algernon Blair, Fielder and Gilmer Sts., Montgomery, Ala., for kitchen building at U. S. Veterans Hospital No. 60; freight elevator, Otis Elevator Co., 810 15th St., N. W., Washington, \$2993.\*

Tenn., Memphis—Dr. Willis C. Campbell, 869 Madison St., will erect \$30,000 hospital 869 Madison St.; 2 stories, reinforced concrete.

Tenn., Memphis—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., let contract at \$11,500 to J. E. Williams, 108 Gardner St., San Antonio, Tex., for quarters for Medical Officer in Charge, U. S. Veterans Hospital No. 88; 2 stories, frame and stucco, wood shingle roof.\*

Tex., Stamford—Drs. Hudson, Southern & Bunkley let contract at \$23,700 to J. R. Horn & Sons, Abilene, for nurses' home; brick and stone, 2 stories, 36x80 ft.; heating and plumbing, W. L. Veale, \$4400; electric work, Moody Electric Co., \$830; Davis S. Castle Co., Archts., 29 Radford Bldg., all Abilene.\*

### Hotels and Apartments

Ark., Little Rock—George B. Gill, 612 E. Capitol Ave., erecting \$15,000, 2-story, frame and brick veneer, 26x75 ft. apartment building; composition roof, hardwood floors, concrete foundation; M. F. Lawnaig, Contr., 4818

T St.; H. H. Newman, Archt., 1418 Johnson St.; H. B. Crabb, 2015 N. 18th St., electric work; Pettit & Galloway, 114 E. Seventh St., plumbing.\*

Fla., Bradenton—H. C. VanSweringen, Cleveland, Ohio, and Bradenton, let contract to The Foundation Co., 101 Marietta St., Atlanta, Ga., and New York, for \$1,000,000, 7-story, 169-room New Manatee River Hotel, Broad, Turner and Park Sts.\*

Fla., Dania—Dania Beach Hotel Corp., A. J. Ryan, Pres., let contract to Tubbs & Austin for \$115,000, 3-story, 50-room, reinforced tile and stucco, Dania Beach Hotel, Ocean Drive; Francis L. Abreu, Archt., Fort Lauderdale.\*

Fla., Hollywood—Joseph W. Young, developer of Hollywood-by-the-Sea, erecting through Hollywood Land & Water Co., a \$450,000 hotel in Hollywood Hills section, to be completed Nov. 15; 3 stories, 260 rooms, fire walls and fire doors every 16 rooms, 2 passenger and 1 service elevator; Hollywood Water & Electric Co., electrical work; Rubush & Hunter, Archts., Indianapolis, Ind., and Hollywood; Construction Co. of Hollywood, Contrs.\*

Fla., Kissimmee—Mrs. Wiggins, owner of Travelers Hotel, making \$20,000 improvements.

Fla., Miami—Mrs. O. M. Bristol erect \$22,000, 2-story, 8-family apartment building, S. W. Tenth St.; O. M. Bristol, Contr., 2045 N. W. Fourth St.; C. Leroy Kinport, Archt.

Fla., Miami—T. L. Griffith let contract to O. M. Bristol, 2045 N. W. Fourth St., for \$30,000, 2-story, concrete block, 12-apartment building, N. W. Third St.; C. Leroy Kinport, Archt.

Fla., Miami Beach—Robert S. Fisk and O. Stephen Hass let contract to George Bruce, Commercial Arcade, for \$85,000, 3-story, Renaissance type, 35-family apartment building, Meridian Ave.; J. C. Gault, Archt., Commercial Arcade, both Miami.

Fla., Miami Beach—Harry Levitt, 629 Meridian Ave., let contract to O'Neill-Orr Construction Co., Professional Bldg., Miami, for 13-story, 225-family apartment building, ocean front facing Lummis Park; J. C. Gault, Archt., Commercial Arcade, Miami.

Fla., Miami Beach—A. A. Cottl, Alliance, Ohio, started work on two 3-story, reinforced concrete and tile, stucco exterior, \$92,000, 24-apartment and 8-hotel room apartment buildings, Pennsylvania Ave. and Euclid St.; hardwood floors, tile baths and lobbies; J. C. Gault, Archt., Real Estate Bldg.

Fla., St. Petersburg—Harry C. Case, 401 Third Ave., let contract to Franklin J. Mason, 309 Central Natl. Bank Bldg., for erection of 7-story Pennsylvania Hotel, N. W. cor. Fourth St. and Third Ave.; North; recently received contract for foundation work; H. H. DuPont, Archt., First Natl. Bank Bldg.

Fla., Winter Haven—H. B. Mabson, Pres. of Lake Region Hotel Co., let contract to J. H. Bronson, for 2-story, 38x59 ft., stucco, 4-apartment building, E. Lake Ave.

Fla., West Palm Beach—Alma Hotel Co., C. J. Meerdink, erecting \$110,000, 4-story, fireproof, concrete, 40-room addition, Datura and Rosemary Sts.; two wings 36x48 ft., hollow tile and built-up roofing, reinforced concrete foundation, concrete and hollow tile floors, ventilators, wire glass; J. A. Wells, Guaranty Bldg., heating and plumbing at \$7500 and \$12,000; Empire Electric Co., elevator service, hot water service and general conduit, \$2500; Otis Elevator Co., 1 freight elevator; Bruce Kitchell, Archt., Guaranty Bldg.; R. A. Mason, Construction Supt.\*

Mo., St. Louis—E. O. Wells, 207 Fidelity Bldg., erect four 2-story, brick, 24x48 ft. tenements, 3923-31 Miami St.; tar and gravel roofs, hot air heat; J. J. Gibbons, Archt. & Builder, 207 Fidelity Bldg.

Mo., St. Louis—G. Dekker, 5931 Maple St. let contract to Southampton Investment & Building Co., for \$12,000, 2-story, brick, 34x52 ft. tenement, 4140 Wyoming St.; composition roof, hot water heat; F. Plefer, Archt., 111 N. Broadway.

Mo., St. Louis—J. Muckerman, 3638 Olive St. erect three 2-story, brick, 27x69 ft. tenements, 4452-8 W. Pine St.; \$45,000, tar and gravel roof, steam heat; G. Coyner, Archt., 620 Wainwright Bldg.; owner builds.

Mo., St. Louis—V. H. Rhodes, 6240 Delmar Blvd. erect two \$25,000, 3-story, brick, 50x65 and 50x70 ft. tenements, 5810 and 5534 Cates St.; composition roofs, steam heat; owner is Builder and Archt.

Mo., St. Louis—Exermont Realty Co., 801 Chestnut St., erect two \$20,000, 2-story, brick, 35x41 ft. tenements, 3240 S. Compton St.; tar and gravel roof, furnace heat; M. Bon-

leoult, Archt., Buder Bldg.; owner builds.

Mo., St. Louis—O'Brien Investment Co., 4000 S. Grand St., erect \$10,000, 2-story, brick, 35x57 ft. tenement, 3651-53 Wilmington St.; tar and gravel roof, hot-water heat; Wm. Degenhardt, Archt. & Builder, 6147 Tennessee St.

Mo., St. Louis—T. J. Potashnik, 819 Chestnut St., let contract to V. A. Chinberg, 808 Chestnut St., for ten 2-story, 24x41-ft., brick tenements, 5303-35 Bancroft St.; \$90,000, composition roofs, hot-air heat; O. J. Popp, Archt., Arcade Bldg.

Mo., University City (Sta. St. Louis)—Helen Hartwick, 414 N. Seventh St., let contract to B. H. Charleville Building & Real Estate Co., 312 Calumet Bldg., for \$20,000, 3-story, brick, 6-family apartment building, 800 Kingsland Ave.; 80x33 ft., composition roof, steam heat; Russell A. Conzelman, Archt., Calumet Bldg.

N. C., Charlotte—Wesley T. Heath, 206 Plaza St., started work on \$70,000, 2-story, 52-room, 42x166 ft., hollow tile, 16-family apartment building, 625 Hawthorne Lane.\*

N. C., Charlotte—Turner Realty Co., let contract to J. P. Propst, 427 S. Church St., for remodeling apartments, 3 Mint St.; \$17,000; W. G. Rogers, Archt., Latonia Bldg.

Tenn., Memphis—Thomas and Cohen erecting \$50,000, brick with stone trim, 12-apartment building, Diana and Trimble Sts.; garage for each apartment in rear; Estes W. Mann, Archt., Madison Ave. Bldg.

Tenn., Memphis—L. D. Powell, Contr., begin erection of \$25,000, brick, 4-apartment building, Evergreen near Poplar Ave.

Tex., Dallas—L. C. Crow, 1317 Commerce St., let contract to D. Bunn, 1725 St. Paul St., for \$30,000, 2-story, brick veneer, 38x56-ft. apartment house; Young & Young, Archts., 207 S. W. Life Bldg.

Tex., Dallas—C. F. Knott, 3203 Knight St., erect \$50,000, 4-story, brick veneer, 14-apartment building with day labor; tar and gravel roof; Reliance Brick Co., S. W. Life Bldg., brick; H. Clyde Carr Electric Co., 1411 N. Haskell Ave., electric wiring.

Tex., Gonzales—A. Droupy let contract to C. M. Smith for \$40,000, 3-story, 38-room, 44x108 ft. hotel building, St. Paul St.; leased by Mr. and Mrs. J. S. Hood; Morris & Noonan, Archts., Houston Bldg., both San Antonio.

Tex., Houston—Rice Hotel Co., N. E. Meadows, Pres., let contract to American Construction Co., Gulf Bldg., at about \$1,500,000 for erection of 16-story, brick, stone, steel and reinforced concrete hotel addition, Texas Ave. and Travis St.; Pennsylvania Car Co., 1005 Second National Bank Bldg., structural steel work; Alfred C. Finn, Archt., 505 Bankers Mortgage Bldg.; R. J. Cummins, Engr., 727 Bankers Mortgage Bldg.\*

W. Va., Martinsburg—H. W. Booth let contract to A. S. Perry, W. Race St., for garage and apartment house, Winchester Ave.

### Miscellaneous

Ala., Birmingham—Alabama State Fair Corp., R. A. Brown, Pres., Woodward Blvd., let contract to Holly & Davis, 4401 Commerce Ave., for grandstand and exhibition hall and to Bessemer Engineering Co. for race track at state fair grounds; \$190,000; grandstand will be concrete reinforced with steel, fireproof, seat in excess of 10,000; soon let contracts for cattle barns, paddock and racing stables.\*

Fla., Sebring—William E. Steyding, 868-70 Rockefeller Bldg., Cleveland, Ohio, erect clubhouse in connection with development; owner builds.

Fla., St. Augustine—Casino—St. Augustine Beach Casino started work on 50 new bath-rooms and will erect board walk.

Md., Baltimore—Sisters of Notre Dame erect \$150,000, 105x92-ft., 4-story, brick addition, N. E. cor. Aisquith St. and Ashland Ave.; slate roof, vapor heat; August K. Kaiser, Archt.; Adam Kaiser, Builder, 1036 Ensor St.\*

Mo., Macon—Funeral Home—Albert Skinner has contract for erecting Home.

Mo., Marionville—Methodist Church started remodeling buildings of Ozark Wesleyan College for Home for the Aged; \$40,000, 4 buildings, each 2 stories, metal and tile roof, wood and concrete floors, 1 passenger elevator not let; major items to be purchased include bedsteads, bedding, furnishings for rooms, rugs, easy chairs, etc. Address William F. Burris, Supt.\*

Va., Richmond—Library—Miss Grace Arents, 224 S. Cherry St., let contract to James Fox & Sons, 2501 E. Franklin St., for \$14,000, 28-ft. addition to library, 224

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

S. Cherry St.; Charles M. Robinson, Archt., Times-Dispatch Bldg.

W. Va., Oakland—Child Rescue Home erecting \$20,000, "T" shaped, 2-story, 16-bed-room building.

### Railway Stations, Sheds, Etc.

Mo., Centralia—Wabash Railway Co., R. H. Howard, Ch. Engr., St. Louis, let contract to W. W. Wuelner & Son, St. Louis, for \$100,000 station.\*

### Schools

Ala., Mobile—B. E. Buffaloe & Co., 63 S. Third St., started work on third section of High School building, consisting of auditorium and cafeteria; \$100,000; George E. Rogers, 1007 Van Antwerp Bldg., Mobile, and Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, Ill., Archts.\*

Ark., Fayetteville—School Board, F. S. Root, Supt. of Schools, erecting \$12,000, 3-story, 44x42 ft., brick annex to High School building; tile roof, concrete and stone foundation, wood floors; E. V. Bird Construction Co., Contrs.; Jos. Dinwiddie, Archt.\*

Fla., Auburndale—Polk County Board of Public Instruction, Bartow, erecting \$57,850 brick and concrete, steel and frame, 2-story, 98x130-ft. grammar school building; yellow pine floors, composition shingle roof, reinforced concrete foundation; Eaton Electric Co., Haines City; J. E. H. Dorsett, Lakeland, steam heat and plumbing; Paul H. Smith, Contr., Haines City; E. C. Hosford, Archt., Lakeland.\*

Fla., Clearwater—Pinellas County Board of Public Instruction, R. S. Blanton, Supt., let contract to Franklin J. Mason for erecting Junior High School, and to Eric Clauson, St. Petersburg, for school in Pine City; Wm. B. Itiner, Board of Education Bldg., St. Louis, and M. Leo Elliott, Citizens Bank Bldg., Tampa, Asso. Archts.\*

Fla., Fort Myers—Lee County Board of Public Instruction, J. Colon English, Supt., let following contracts: Addition to East Fort Myers School, J. M. Lawton, \$32,000; addition to Bungalow School, J. M. Lawton, \$13,800; addition to County High School, Robertson Construction Co., \$19,233; addition to Junior High, J. M. Lawton, \$34,000; heating contracts for East Fort Myers, County High and Junior High to T. W. Edelblut, \$5800; Leslie N. Iredell, Archt., Campbell Bldg., Tampa and Fort Myers.\*

Fla., Haines City—Polk County Board of Public Instruction, Bartow, let contract to Paul H. Smith, Haines City, at \$81,500 for 2-story, brick and concrete, steel and frame, 60x161 ft. and center wing 60x62.6 ft. grammar school building; shingle roof, gum and concrete floors, reinforced concrete foundation, hollow tile, interior tile, metal ceilings, ventilators, wire glass; all materials and equipment purchased; T. A. Pack, steam heat and plumbing; Eaton Electric Co., both Haines City, lighting; E. C. Hosford, Archt., Lakeland.\*

Fla., Lakeland—Polk County Board of Public Instruction, Bartow, let contract to Streeter Brothers for \$60,000 grammar school in Orange Heights addition; Potet & Weathers, Archts.

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let following contracts for furniture and equipment for city schools: Desks, J. H. Perse & Co., Savannah Bank & Trust Co., Savannah, Ga.; Detroit Desk Co., Detroit, Mich.; American Seating Co., Grand Rapids, Mich.; Columbia Seating Co., Indianapolis, Ind.; primary tables and chairs, Detroit Desk Co.; bentwood chairs, A. Hercules, Inc., Masonic Temple, Jacksonville; window shades, Arthur Ward & Co., Tampa; waste baskets and pencil sharpeners, A. Flanagan; domestic science equipment, E. A. Sheldon & Co., Muskegon, Mich.; opera chairs, Southern Desk Co., Hickory, N. C.; steel lockers, Lyons Steel Locker Co.; drinking fountains, Halsey, Taylor Co.; bronze tablets, Cooke & Co.; paint, Southern Florida Paint Co.; floor brushes, J. I. Holcomb & Co.; floor oils, West Disinfectant Co.; cheesecloth, G. Norman Baughman, 113 Norman Ave.; paper towels, Peninsular Paper Co., 110 Tampa St.; floor oil, Standard Oil Co.\*

Fla., Tampa—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., let contract to Horton & Smith, at \$32,700, for 2-story, brick and stucco, Jackson Heights School building; wood and concrete floors, concrete foundation, composition shingle and Barrett roof; Leslie N. Iredell, Archt., Campbell Bldg.\*

Ga., Waycross—Board of Education, Abraham Cook, City Mgr., let contract to T. J.

Darling at \$30,997 each for two schools, Butler St., for colored and Crawford St. for whites; 1-story and basement, 98x128 ft., brick, pine and concrete floors, concrete foundations.\*

La., Choudrant—Lincoln Parish School Board let contract to C. E. Anders, Ruston, for \$30,000, 2-story, brick and stucco school addition; slate roof, pine floors, concrete foundation, metal ceilings, hollow tile; major items to be purchased include shades and seats; J. W. Smith, Archt., Monroe.\*

La., DeQuincy—Calcasieu Parish School Board, Lake Charles, let contract to H. O. Price, at \$58,233, for High School building; Edward F. Neild, Archt., Merchants Bldg., Shreveport.\*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., let contract to P. C. Street Engineering Co., 404 St. Paul St., at \$93,500 for fireproof, brick walls, 2-story gymnasium building at Roland Park Elementary School, Roland Ave.; wood and concrete floors, concrete foundation, slag roof, hollow tile, interior tile; Enterprise Steam & Hot Water Heating Co., 619 W. Franklin St., heating; Lloyd E. Mitchell, Inc., 915 E. Monument St., plumbing; Harry Alexander, Inc., Munsey Bldg., Washington, electric lighting; Contrs. desire subcontract bids on wire guards; Edward L. Palmer, Jr., Archt., 513 N. Charles St.

Miss., Pascagoula—O. W. Denison, A. T. Letort and Armond Fountain, Trustees of St. Martin's Consolidated School, let contract to Louis Dickens, Tchula, at about \$10,000, for erecting school building.\*

Mo., Carthage—Board of Education let contract to H. J. Hanson for \$13,000 addition to Saxe High School.\*

Mo., Jefferson City—Board of Education let contract to Sheldon & Co., 804½ Pine St., St. Louis, at \$3500, for laboratory equipment.\*

N. C., Asheville—School Board, E. G. Thompson, Sec., let contract to Palmer-Spivey Construction Co., 124 Eighth St., Augusta, Ga., for Mountain St. School; Blue Ridge Co., plumbing at \$1877; heating and ventilating bids rejected; contract to McDowell & Harland at \$18,970 for Montford School addition; C. Gadsden Sayre, Archt., Greensboro and Winston-Salem.\*

N. C., Asheville—School Board, E. G. Thompson, Sec., let contract to Palmer-Spivey Co., for \$200,000, West Asheville High School; American Heating & Ventilating Co., heating and ventilating, at \$42,287; Sugg & Britt, 17 Broadway St., plumbing at \$19,750; call for new bids on electrical fixtures; C. Gadsden Sayre, Archt., Greensboro and Winston-Salem.\*

N. C., Danbury—Board of Education let contract to Sam T. Johnson, Graham, at \$17,835, for school building.\*

N. C., Gastonia—School Board, Prof. Will P. Grier, Supt., let contract to W. H. Hand, Belmont, at \$50,870, for 10-room and auditorium North Gastonia graded school; White, Streeter & Chamberlain, Archts.\*

Okla., Claremore—See Okla., Oklahoma City.

Okla., Edmond—See Okla., Oklahoma City.

Okla., Enid—See Okla., Oklahoma City.

Okla., Oklahoma City—State Board of Public Affairs, Carl L. Rice, Chmn., let following contracts: Holmboe Construction Co., Park & Lindsay Sts., auditorium at Central State Teachers' College, Edmond, \$123,700; Vocational Building at East Oklahoma Orphans' Home, Pryor, Muskogee Construction Co. at \$17,485, and L. A. Santee at \$13,841; Barracks at Oklahoma Military Academy, Claremore, to Muskogee Construction Co., 1137 N. 30th St., \$14,970; Dormitory at State Industrial School for Girls, Tecumseh, to Cowan Brothers, Shawnee, \$41,660; S. W. Weller, Enid, ward building for Feeble-Minded at Enid, \$66,010; Campbell & Price, partitions in State Capitol at \$1000.

Okla., Pryor—See Okla., Oklahoma City.

Okla., Tecumseh—See Okla., Oklahoma City.

S. C., Clearwater—Alken County Board of Education, Alken, let contract to Howell Construction Co., Augusta, Ga., at \$14,497, for 5-classroom, auditorium and office school building.

S. C., Union—Union County Board of Education let contract July 3 to Burns Construction Co., Columbia, at \$48,000 for 2-story, fireproof auditorium, gymnasium and classroom addition to grammar school; built-up roof, oak and concrete floors, concrete foundation, hollow tile, interior tile, metal doors, steel sash and trim; Bryce Plumbing & Heating Co., Florence, plumbing and heating at \$14,121; Cashion-Green Electric Co., 1231

Taylor St., Columbia, electric work; Dunn Roofing Co., Dunn, roofing; Harold Tatum, Archt., Arcade Bldg., Columbia.\*

Tenn., Bartlett—Shelby County Board of Education, let contract to W. C. Owen & Co., Rand Bldg., on June 22, for \$40,000, brick and wood joist, 3-story, 48x60 ft. school addition and 46x100 ft., 1-story gymnasium; beech and concrete floors, concrete foundation, composition roof; Mee & Hiesler, 260 Vance St., plumbing; E. L. Harrison, Archt., Fidelity Bank Bldg.; all Memphis.\*

Tenn., Dresden—Town voted \$17,000 bonds for completion of high school building. Address School Board.

Tex., Amarillo—Red Read School District (near Amarillo), Board of Trustees, let contract to J. D. Singleton for \$10,000, 1-story, brick school building; Ross Williams, Archt.

Tex., Brownsville—Academy of Incarnate Word and Blessed Sacrament let contract to Ed Walsh, Mission, on cost plus basis, for brick dining hall; Harvey P. Smith, Archt., National Bank of Commerce Bldg., San Antonio.\*

Tex., Houston—Rice Institute let contract to Tellepsen Construction Co., 4100 Clay St., for remodeling mechanical laboratory \$1,000.

Tex., Sunset—Sunset School House, District No. 8, R. M. Haverly, Clerk, let contract to Canady & Stark, Floydada, at \$16,986, for 6-room and auditorium, 1-story, brick and tile schoolhouse; yellow pine and concrete floors, concrete foundation, hollow tile, metal ceilings, ventilators, rolling partitions, ornamental terra cotta; Kerr & Walsh, Archts., Plainview and Amarillo.\*

Tex., Wichita Falls—Wichita Falls Independent School District Board of Trustees let contract to Holmboe Construction Co., D and Robinson Sts., Oklahoma City, for \$135,000, 3-story, reinforced concrete and brick school buildings; concrete and pine floors, concrete foundation, tar and gravel roof; Koroth Plumbing & Heating Co., Sherman, heating and plumbing; Dosch Electric Co., 118 Indiana Ave., electric wiring; Voelcker & Dixon, Archts., Morgan Bldg.; open equipment and furnishings bid about Oct. 15. Address W. W. Brown, Sec.\*

Va., Richmond—School Board let contract at \$20,000 for High School building at Elkhart.

### Stores

Fla., Jacksonville—T. B. Hamby, Graham Bldg., let contract to C. J. Davis, St. James Bldg., for store and office building, Monroe between Main and Laura Sts.

Fla., Lakeland—Smith Hardin Co. let contract to Marshall-Jackson Co. for \$12,000 business building, W. Main St.

Fla., Miami—Orange State Oil Co., N. E. 59th St., started work on two \$20,000, 2-story store and apartment buildings, N. W. Seventh Ave. and 54th St., and 27th Ave. and Seventh St.; 4 stores and 4 apartments, Spanish design; Charles P. Nieder, Archt., Calumet Bldg.

Fla., Miami—S. H. Kress Co., 114 Fifth Ave., New York, let contract to Fred T. Ley Co., Calumet Bldg., for \$275,000, 5-story and basement, steel frame and reinforced concrete store building, 25 E. Flagler St.; plans by Architectural Division.\*

Fla., Sarasota—J. H. Feibel let contract to G. A. Miller, 28 Petteway Bldg., Tampa, for 5 storerooms on Main St.; tile fronts, cement floors, show windows; M. Leo Elliott, Archt., Citizens Bank Bldg., Tampa.

Fla., Sarasota—Dalaplane & McKenzie let contract to Leadley Ogden for \$35,000 building; 3 stores and 3 apartments.

Fla., Tampa—A. J. Simms, Pres. of A. J. Simms & Co., Citrus Exchange Bldg., let contract to G. D. Bowls, 1701 Watrous Ave., for \$50,000, 2-story store and apartment building, Howard and Morrison Aves.; 7 stores and 8 four-room apartments.\*

Fla., West Palm Beach—North Borough Improvement Corp. let contract to W. R. Bowler for \$40,000, 2-story, 50x70-ft., tile, concrete and frame store and apartment building; tile and built-up roof, tile, cement and wood floors, concrete foundation, hollow tile, interior tile, steel sash and trim, wire glass; Wm. Manly King, Archt.\*

Miss., Meridian—Alex Loeb, Inc. let contract to L. W. Hancock, for \$100,000, steel, brick, terra cotta and concrete, fireproof store building, Fifth St.

Mo., Kansas City—Robert Keith Furniture & Carpet Co., 11th and Grand Ave., let contract to Lonsdale Brothers, 520 Bryant Bldg.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



for brick and reinforced concrete, terra cotta trim, 8-story and basement building, 13th St. and Baltimore Ave.; Holt, Price & Barnes, Archts., 800 Davidson Bldg.

Mo., St. Louis—H. Blase, 8223 Baden St., let contract to J. S. Cavanaugh, 8025 N. Broadway, for \$16,000, 2-story, brick, 50x60-ft. store and dwelling, 317-21 Baden St.; composition roof, furnace heat; O. Beamer, Archt., 3500 Palm St.

Mo., St. Louis—H. F. May, 6130 Crescent St., erect \$10,000, 2-story, brick, 38x36-ft. store and tenement, 6538 Clayton St.; tar and gravel roof, steam heat; J. R. Egbert, Archt. and Builder, 1236 Kraft St.

N. C., Winston-Salem—McClellan Stores Co., 487 Broadway, New York, let contract to Benbow-Lindsay Co., N. Trade St., for 46x85-ft., 2-story and basement, steel frame and reinforced concrete store building, N. Liberty St.; brick and terra cotta front, mechanical ventilating system, composition floors, plate glass windows; Macklin & Fought, Archts.

Tenn., Knoxville—S. H. Kress & Co., 114 Fifth Ave., New York, let contract to V. L. Nicholson, 102 W. Clinch St., for \$105,000, 3-story and basement building, on site of former building 417-21 S. Gay St.; E. J. Hoffman, Archt. for Co.; G. E. Mackay, supervise work.

Tenn., Knoxville—Maxwell Chalkre - McGoldrick Co. started remodeling addition.

Tex., Delhart—Simon Herzstein Ready-to-Wear and Schubart Millinery Store in Felton Block, undergoing improvements to cost \$12,000 to \$15,000; remodel and redecorate interior, modernize front.

Tex., Greenville—Tilford Collins let contract to Rutherford & Davenport for remodeling 3-story Collins Building.

Tex., San Antonio—Ralph H. Cameron, Archt., City National Bank Bldg., let contract to Whyman & Weber for remodeling store building, Travis and Broadway, to be occupied by Stapleton Music Co.

### Theaters

Fla., Sarasota—A. B. Edwards let con-

tract to G. A. Miller, 2202 Grand Central Ave., Tampa, for \$210,000, 80x190-ft., brick, hollow tile and stucco, fireproof, 3-story theater building, Pineapple Ave.; 14 apartments on third, 12 offices on second and 8 stores on first floor; \$20,000 pipe organ; leased to Universal Film Corp.; Roy A. Benjamin, Archt., Jacksonville.

Ky., Pineville—Dr. J. S. Conn and W. Handley Goddie erecting \$60,000, 2-story brick, concrete and tile, 2-story, 75x125-ft. theater building; concrete floors, stone and concrete foundation, Johns-Manville roof, hollow tile, metal ceilings, ventilators, ornamental terra cotta, steel sash and trim, wire glass; Burnette & Co., Middlesboro, vapor vacuum heating and plumbing; opens bids Sept. 26 for equipment and furnishings; Thos. J. Nolan, Archt., Cincinnati and Southern Bldg., Louisville. (See Machinery Wanted—Seating.)

### Warehouses

Fla., Bradenton—Lyons Fertilizer Co. purchased site, Watson St. and Seaboard Air Line Railway, for 60x100 ft., corrugated iron warehouse E. B. Hadley, Oneco, District Mgr.

Fla., Orlando—Yowell-Drew Co., Orange Ave., erect 5-story warehouse building, South Court.

Fla., Tampa—Florida Mattress Factory, I. Addison, Mgr., P. O. Box 293, let contract to Samuel Pritchard, 816 Tribune Bldg., for \$35,000, 2-story, 95x300 ft., brick and corrugated iron warehouse and factory addition, Spruce and Rome Ave.; built-up roof, wood floors, brick foundation, metal doors, ventilators, rolling partitions, steel sash and trim, wire glass; equipment and furnishings cost \$25,000, including sprinkler system; plans by Contr.

Ga., Savannah—Savannah Sugar Refinery Co., Savannah Bank & Trust Bldg., started work on \$50,000, concrete and steel warehouse unit at Port Wentworth Plant.

La., New Orleans—O. K. Storage & Transfer Co., 1901 St. Charles Ave., erecting six-story, reinforced concrete, flat slab and brick, 50x110x80-ft. addition; concrete floors and foundation, composition roof, hollow tile, metal doors, ventilators, rolling partitions,

steel sash and trim; Weiss & Dreyfus, Archts., Malson Blanche Bldg.; Jefferson Construction Co., Inc., 823 Poydras St., Contrs., let following sub-contracts: Reinforcing, Ole K. Olsen, 822 Perdida St.; structural steel and miscellaneous iron, Lukens Steel Co., Poland and Rockebane Sts.; plastering and lathing, Burd & Putfark; cast stone, Architectural Cast Stone Co.; sheet metal work, American Sheet Metal Works, 3500 S. Carrollton St.; steel sash, F. J. Allen, Board of Trade Bldg.; roofing, Johns-Manville Co.; mill work, William Geary & Son, 2125 Calliope St.; rolling steel doors, Kinnear Mfg. Co., Hibernia Bldg.; painting, Gus Peterson, 730 Valencia St.; glazing, Pittsburg Plate Glass Co., 314 Girod St.; tiling, Southern Tile Co., 523 Royal St.; marble work, J. C. Valadie; building material, Jahncke Service Co., 814 Howard Ave.

Tenn., Memphis—Crane Co., Court and 4th St., let contract to Kaucher & Hodges, Shrine Bldg., for \$60,000, 2-story, reinforced concrete warehouse, Broadway and Florida St.

Tex., Dallas—J. B. Cave, Central Bank Bldg., let contract to Mahaffey & Howard, Gaston Bldg., for \$20,000, 2-story, brick and mill warehouse and office building, Griffin and Hord Sts., to be leased by Mohawk Rubber Co.; W. Scott Dunne, Archt.

Tex., Dallas—Robertson & White, 2300 block S. Harwood St., let contract to L. H. Lacy Co., 2632 Swiss Ave., at \$100,000, for 1 and 2-story, 120x540-ft. brick warehouse, replace burned structure; tar and gravel roof, concrete floors and foundation, metal ceilings, metal doors, steel sash and trim, wire glass; T. J. Litzelman, Archt., Insurance Bldg.

Tex., El Paso—Gus Monsen, 1501 Magoffin Ave., erect \$25,000, 3-story warehouse, Campbell's Addition.

Tex., Sherman—Everheart Grocery Co. let contract to Morgan & Gibbs, at \$40,067, for 1-story and part basement, 100x145 ft., reinforced concrete warehouse, E. Lamar St. and Cotton Belt tracks; Clyde & Rolfe, Archts., 303 Commercial Bank Bldg.; Joor Engineering Co., 601 Slaughter Bldg., Struc. Engr.

## MACHINERY, PROPOSALS AND SUPPLIES WANTED

**Air Bags (Poltzer).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 27 for 136 Poltzer air bags, 6-oz., with valves; 100 for supply depot Req. No. 3, Chicago, Ill., and 36 for supply depot Req. No. 110, Perry Point, Md.; state time of delivery; priced f.o.b. point of shipment.

**Air Jackhammers.**—Keystone Equipment Co., 1947 Broadway, New York.—Wants used air jackhammers, all sizes or surplus stock; state make, size and condition.

**Band Saw.**—Hackley Morrison Co. (Mchy. Dealers), 1708 Lewis St., Richmond, Va.—Wants one small band saw.

**Block (Meat) and Table.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Wants meat block and table; A. Pick & Co.'s No. 4E-3813-F, or equal; prices f.o.b. point of shipment.

**Boiler.**—Jos. L. Pearson & Son, Route 1, Keusville, Va.—Wants 20 to 30 horsepower boiler, prefer self-contained tubular taking long mill refuse; consider used equipment if in good condition.

**Boiler.**—Treasury Dept., Supvr. Architect's Office, Washington, D. C.—Receives bids August 4 to remove present boiler, furnish and install one new horizontal smokeless fire-box heating boiler, arranged for portable setting.

**Book Stacks.**—Dept. of Interior, John H. Edwards, Sec., Washington, D. C.—Receives bids July 30 to furnish and install library book stacks in five rooms on fifth floor of Interior Department Bldg., 18th and F Sts. N. W.

**Bridge.**—State Road Comm., Charleston, W. Va., will build 17 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Louisiana Highway Comm., Baton Rouge, La., will build and improve two bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—State Highway Dept., Columbia, S. C. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Nash County, Nashville, N. C., will build culverts and bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge, etc.**—Seminole County, Sanford, Fla., will build 3 bridges, earth fills and approaches. See Construction News—Bridges, Culverts.

**Bridge.**—Harrison County Board of Supvrs., Gulfport, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Building Materials.**—W. D. Harper & Co., Box 1218, Daytona, Fla.—Wants manufacturers' catalogues and samples.

**Building Materials.**—Wm. T. Coats, 527 Carondelet St., New Orleans, La.—Wants data and prices on building materials including roofing, walls, interior finish, etc., for residence.

**Building Materials.**—Burnett & Dodge, Archts. and Engrs., Lankershim Bldg., 126 W. Third St., Los Angeles, Cal.—Wants catalogues from various manufacturers.

**Call System.**—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids Aug. 7 for Nurses' call system at U. S. Marine Hospital, Baltimore, Md.

**Cars (Dump).**—J. P. Little, Clearwater Fla.—Wants dump cars to handle sand from pit to cars.

**Cars (Coal).**—Mills Equipment Corp., Chattanooga, Tenn.—Wants 20 all-steel, 10-ton, hopper-bottom, 36-in. gauge coal cars.

**Chain.**—Tar River Lumber Co., Rocky Mount, N. C.—Wants 250 to 400 ft. chain made of 3/4-in. iron; can use in pieces about 18 ft. long; prices per lb. delivered Rocky Mount.

**Copper Pipe.**—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids July 29 to furnish and deliver copper pipe to water department; V. Bernard Slems, Water Engr.

**Culverts.**—Volusia County, DeLand, Fla., will build 19 culverts. See Construction News—Road and Street Construction.

**Dredging.**—U. S. Engineer Office, Thirteenth Floor, Custom House, Boston, Mass.—Receives bids August 6 to dredge in Broad Sound, Boston Harbor, Mass.

**Dry Kiln Equipment.**—Katy Sash & Door Co., J. W. Bailey, Pres., 2200 Lucas Drive, Dallas, Tex.—Wants dry kiln equipment.

**Drugs.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 24 for 250 bottles effervescent sodium phosphate and 800 bottles syrup of wild cherry; packed 25 bottles in box; prices f.o.b. point of shipment.

**Electric Wiring.**—Board of Awards, F. A. Dolfield, Register, Baltimore, Md.—Receives

bids July 29 for electric wiring and fixtures at school No. 60, Francis St. opposite Clifton Ave.; C. H. Osborne, Inspector of Bldgs.

**Enameling Outfit.**—W. G. James, 37 Bollingbrook St., Petersburg, Va.—Wants to purchase outfit to enamel iron beds.

**Engine (Oil).**—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 3 1/2 h.p. Fairbanks Morse fuel oil engine.

**Engine (Oil).**—Jos. L. Pearson & Son, Route 1, Keusville, Va.—Wants prices on 18 to 20 horsepower oil engine; either new or second-hand.

**Engine.**—Wm. Kirten, Sec., Lake Village Water Works Improvement District, Lake Village, Ark.—Wants 50 h.p. gas engine within next 90 days and probably other equipment in way of deep well pump for water works system.

**Eyelets (Celluloid).**—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids July 27 for 180 round celluloid eyelets, black; prices f. o. b. point of shipment.

**Folders.**—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids July 27 for 120,000 red folders, size folded 9 1/2 x 11 3/4-in.; prices f. o. b. point of shipment.

**Folding Door.**—P. C. Dukes, Branchville, S. C.—Wants folding door for church building to separate Sunday school room from church auditorium.

**Furniture.**—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids July 27 for 50 settees and 300 chairs; prices f.o.b. point of shipment.

**Grinder.**—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants No. 1 Le Blond external precision tool and cutter grinder or equal.

**Heating Plant.**—Wm. T. Coats, 527 Carondelet St., New Orleans, La.—Wants data and prices on heating plant for residence.

**Heating System, etc.**—Board of Trustees, Cullowhee State Normal School, Cullowhee, N. C.—Receives bids Aug. 4 for following work: New system of distributing mains in pipe tunnels with branch lines in terra cotta conduits; furnish and install additional equipment in power house, together with necessary pipes; also concrete pipe tunnel with concrete manholes, etc., re-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

**Sanitary Sewers.**—City of Culpeper, Va., R. quired for protection of steam and hot water pipes; Wiley & Wilson, Conslt. Engrs., Lynchburg, Va.

**Hoist.**—Mills Equipment Co., Chattanooga, Tenn.—Wants 3 drum hoist with swinger, motor 3-phase, 60-cycle, 220-volt.

**Hospital Supplies.**—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids July 30 for hospital supplies; prices f. o. b. point of shipment.

**Kitchen Equipment, etc.**—J. H. Block, Villa Asgard, Vevey, Switzerland.—Wants data on kitchen furniture, utensils and new household labor saving devices.

**Laboratory Equipment.**—U. S. Veterans Bureau Supply Depot, 1749 W. Pershing road, Chicago, Ill.—Receives bids July 24 for laboratory supplies; prices f. o. b. point of shipment.

**Lathe.**—Hackley Morrison Co. (Mchy. Dealers), 1708 Lewis St., Richmond, Va.—Wants one wood turning lathe.

**Lathe (Turret).**—Birmingham Engine & Machinery Corp., Birmingham, Ala.—Wants one standard maketurret lathe, 18 to 20-in. used equipment, state condition, etc.

**Laundry Machinery.**—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants laundry machinery.

**Lathe.**—Box 105, Patterson Postoffice, Baltimore, Md.—Wants prices 11-in. x 4-ft. machine lathe with full equipment; give full specifications.

**Locomotive.**—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants 6-ton electric locomotive, 250-volt, D. C., 36-in. gauge, 30 to 33-in. high with trolley, 30 to 36 in. wheel base, reel and cable attachment preferred.

**Magnifying Glasses.**—Lake Garfield Nurseries Co., Bartow, Fla.—Wants about 1000 hand magnifying glasses for advertising purposes; correspond with manufacturers.

**Miscellaneous Supplies.**—A. H. Roberts, Georgetown, Demarara.—Wants the following, with view to representation: Flour, heavy white oats, yellow corn meal, peas, black pepper, unshelled peanuts, wrapping paper, writing and printing paper, envelopes, timber for match splints, cigarette paper books; prices c. i. f. Demerara and c. i. f. Trinidad.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids July 28 to furnish pipe, cable clips, poultry netting, brass wire gauze, valves, pressure gauges, dies, boiler punches, chest locks, match hooks, tacks, leather, lump chalk, etc. Blank forms and information (Circular 2388) on application to offices of Panama Canal; Asst. Purchasing agents at Fort Mason, San Francisco, Calif.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Receives bids July 31 to furnish steel bars, ring bolts, valve stems, bronze bars and flats, rubber segments, strip rubber and gaskets, bronze wire, zincs, batteries, extension bells, telephone, lamp fixtures, fire extinguishers, life preservers, scales, signal flags, etc. Blank forms and information (Circular 1682) on application to offices of Panama Canal; Asst. Purchasing Agents at 24 State St., New York; 611 Gravier St., New Orleans, La.; Fort Mason, San Francisco, Calif.; also U. S. Engineer Offices throughout the country.

**Motor.**—Hackley Morrison Co. (Mchy. Dealers), 1708 Lewis St., Richmond, Va.—Wants 200 h. p. synchronous 3 phase, 60 cycle, 2200 volt motor.

**Motor.**—R. S. Armstrong & Bro. Co., 676 Marietta St., Atlanta, Ga.—Wants one 75 h. p., 3 phase, 60 cycle, 2200 volt slip ring motor.

**Motor.**—R. S. Armstrong & Bro. Co. (Mchy. Dealer), 676 Marietta St., Atlanta, Ga.—Wants 100 h. p., 3-phase, 60-cycle, 2200-volt motor.

**Painting.**—Mayor and City Council, Cumberland, Md.—Receives bids July 27 for painting of exterior woodwork, etc., of City Hall Bldg.; Harry L. Smith, Commr. Streets and Public Property.

**Paving.**—Webb City Special Road Dist., Webb City, Mo. See Construction News—Road and Street Construction.

**Pipe (Cast Iron).**—Hagerstown Equipment Co., Hagerstown, Md.—Wants second-hand 4, 6 and 8 in., Class A or B cast-iron bell and spigot pipe, standard length, immediate delivery.

**Pipe Organ.**—City, Jno. W. Tobin, Mayor, San Antonio, Tex.—Receives bids August 17 for pipe organ for municipal auditorium.

**Pipe.**—Brooks Supply Co., Beaumont, Tex.—Wants pipe 1 to 12-in., in car lots.

**Plumbing.**—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Receives bids July 29 for repairs to plumbing system at school No. 19, Hollins St. near Monroe St.; plumbing at school No. 22, Scott and Hamburg Sts.; plumbing at school No. 33, Twenty-ninth and St. Paul Sts.; C. H. Osborne, Inspector of Bldgs.

**Power Saw Rig.**—W. R. McCormick Construction Co., Joplin, Mo.—Wants information and prices on power saw rig.

**Refrigerators.**—U. S. Veterans Bureau Supply Division, Washington, D. C.—Receives bids Aug. 14 for specifications for refrigerators for standing contracts; prices f. o. b. point of shipment.

**Refrigerating Compressors.**—Alex M. Robinson, Georgetown, Ky.—Wants two York, Brunswick or Voigt refrigerating compressors, either 2½ or 5 ton capacity, can be either belt or direct electric motor drive; motor to be 60 cycle, 220 volts, A. C., give full specifications, location and price; f. o. b. shipping point; used equipment.

**Reservoir.**—City of St. Louis, Mo., John C. Pritchard, 312 City Hall, Water Commr.—Receives bids August 4 for constructing covered reservoir at Olive St. and Old Bonhomme Rd.; following approximate quantities: 200,000 cu. yds. excavation; 45,000 sq. ft. of steel sheet piling; 50,000 cu. yds. of concrete; 2400 tons of reinforcing steel; 650 squares waterproofing; 4877 square asphaltic roofing; sluice gates, cast-iron pipe.

**Retaining Wall, etc.**—Board of Awards, Register, Baltimore, Md.—Receives bids July 29 for retaining wall and iron fence at school No. 21, Pennsylvania Ave. and Robert St.; C. H. Osborne, Inspector of Bldgs.

**River Improvements.**—Comms. of Wharton County Conservation and Reclamation Dist. No. 1, D. A. Dickson, Chmn., Wharton, Tex.—Receives bids Sept. 1 for improvements of Colorado River in Wharton and Matagorda Counties, distance of about 14 mi.; J. P. Markham, Engr., Wharton.

**Road.**—State Highway Comm., Austin, Tex. See Construction News—Road and Street Construction.

**Road.**—State Road Comm., Charleston, W. Va., will improve 2 roads. See Construction News—Road and Street Construction.

**Road.**—State Roads Comm., Baltimore, Md. See Construction News—Road and Street Construction.

**Road.**—Louisiana Highway Comm., Baton Rouge, La. See Construction News—Road and Street Construction.

**Road.**—El Paso County, El Paso, Tex. See Construction News—Road and Street Construction.

**Road.**—State Road Comm., Charleston, W. Va., will improve 19 roads. See Construction News—Road and Street Construction.

**Road Improvement.**—Volusia County DeLand, Fla. See Construction News—Road and Street Construction.

**Road.**—Fayette County, Fayetteville, W. Va. See Construction News—Road and Street Construction.

**Road.**—Dallas County, Dallas, Tex.—See Construction News—Road and Street Construction.

**Road.**—State Road Dept., Tallahassee, Fla. See Construction News—Road and Street Construction.

**Road.**—State Highway Dept., Montgomery, Ala., will build 5 roads. See Construction News—Road and Street Construction.

**Road.**—Wyoming County, Pineville, W. Va. See Construction News—Road and Street Construction.

**Road.**—Bowie County, Boston, Tex. See Construction News—Road and Street Construction.

**Road Building Materials.**—Sumter County Comms., W. N. Potter, Clerk, Bushnell, Fla.—Receives bids Aug. 11 for 260,000 gal. asphalt, 7800 tons crushed stone or slag; E. V. Camp and Associates, Engrs., Bartow, Fla.

**Roof Repairs.**—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids Aug. 3 to reconstruct and repair skylights and roof of U. S. Postoffice, St. Louis, Mo.

**Sand and Gravel.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids July 28 to furnish 53 cu. yds. gravel and 75 cu. yds. sand; delivery Marine Barracks, Quantico, Va.; Sch. No. 66.

**F. Botton, Chmn. Water & Sewer Comsn.**—Receives bids Aug. 1 for extension to sanitary sewer system; 4263 ft. of 6-in., 8-in., 10-in. and 15-in. vitrified clay sewers, 18 manholes, 2 hand flush manholes or auto-

matic flush tanks; Ambler Engineering Co., Engrs., Richmond.

**School Machinery and Equipment.**—Board of Awards, F. A. Dolfield, City Register, Baltimore, Md.—Receives bids July 29 to furnish machinery, equipment, tools and supplies for vocational schools, Dept. of Education; John H. Roche, Sec. Board of School Comms.

**Screens.**—J. P. Little, Clearwater, Fla.—Wants screens for sand pit.

**Seating.**—Dr. J. S. Conn and W. Handley Goddrie, Pineville, Ky.—Wants data and prices on seats for \$60,000, 2-story theater building.

**Sewer Construction.**—City of Louisville, Ky., Matt H. Crawford, Chmn. Sewerage Comsn.—Receives bids July 28 for construction of sewers; 7800 ft. of 8-in. to 12-in. pipe sewer, 3480 ft. of 15-in. to 36-in. pipe drain; 8000 cu. yds. rock excavation; alternate bids for furnishing vitrified clay or cement concrete pipe; J. B. F. Breed, Ch. Engr.

**Shaper.**—Patterson Postoffice, Box 105, Baltimore, Md.—Wants prices on 21-in. stroke high speed back-gear crank shaper, similar to Smith & Mills No. 20; give full specifications.

**Shirt Folding and Ironing Table.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 28 for shirt folding and ironing table for U. S. Veteran Hospital, Camp Custer, Mich.; prices f. o. b. point of shipment.

**Siren Whistle.**—Alex. M. Robinson (Mchy. Dealer), Georgetown, Ky.—Wants one "Wild Cat" siren whistle; state price for resale; used equipment.

**Steel Barge.**—U. S. Engineer Office, Norfolk, Va.—Receives bids Aug. 17 to construct one 50x18-ft. steel barge.

**Steel Forms.**—L. Geo. Sresovich, cor. N. Miami Ave. and N. E. Fifteenth St., Miami, Fla.—Wants data on steel forms for septic tanks, thickness of steel required would be about ½-in. thick; correspond with manufacturers.

**Street Improvement.**—Town of St. Elmo, Tenn.—Receives bids July 30 for about 25,000 feet combined curb and gutter on various streets from Wauhatchie Pike to Georgia State Line; plans from County Engr., Chattanooga; W. B. Rollins, Mayor.

**Street Improvement.**—City of Sheffield, Ala. See Construction News—Road and Street Construction.

**Street Improvement.**—City of Arcadia, Fla. See Construction News—Road and Street Construction.

**Street Improvement.**—City of Beaumont, Tex. See Construction News—Road and Street Construction.

**Street Improvement.**—City of Huntington, W. Va. See Construction News—Road and Street Construction.

**Telephone (Inter Communication).**—J. Leo Kolb, 923 New York Ave., Washington, D. C.—Wants data on inter communication telephone, about size of cigar box, that sits on the desk.

**Track.**—J. P. Little, Clearwater, Fla.—Wants track to handle sand from pit to cars.

**Traps (Rat).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 30 for 200 rat traps, spring, wood base; A. Pick & Co.'s No. 15-E-4627 or equal; prices f. o. b. point of shipment.

**Tile.**—John G. Foster, 58 Cherry St., Atlanta, Ga.—Wants data on imitation wall tile done on non-corrosive sheet metal for use in bath rooms and kitchens.

**Trunk Sewer.**—City of Chattanooga, Tenn., E. D. Bass, Commr., Dept. of Streets and Sewers.—Receives bids July 31 for constructing trunk sewer for proposed sanitary sewerage system for Twelfth Ward, including reinforced concrete pipe, cast-iron pipe; rock excavation, earth excavation; manholes.

**Trucks (Food).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids July 29 for six 5-tier food trucks equipped with wooden trays; similar to Jarvis & Jarvis, special model D-5; prices f. o. b. point of shipment.

**Water Plant Equipment.**—City of Baltimore, Md., F. A. Dolfield, City Register.—Receives bids July 29 for furnishing and erecting tanks and hoppers, Cont. No. 75, for additions to Montebello Filters; V. Bernard Siems, Water Engr.

**Water Works Equipment.**—See Engine.

**Well Casing.**—Keystone Equipment Co., 1947 Broadway, N. Y.—Wants one to three cars of 12, 14, 15 and 16-in. standard weight line pipe or well casing; state price per gross, weight, etc.

**Wheel Press.**—Mills Equipment Co., Chattanooga, Tenn.—Wants 200 to 250 ton capacity wheel press; either hand power or motor driven.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



**Wicket Irons, etc.**—U. S. Engineer Office, Box 72, Louisville, Ky.—Receives bids Aug. 3 to furnish and deliver wicket irons, horses and props for dam No. 47, Ohio River.

**Woodworking Machinery.**—Weston Lumber Co., 400½ S. Toombs, Valdosta, Ga.—Wants prices on planer and matcher, surfer, band saw and other woodworking machinery.

**Woodworking Machinery.**—Katy Sash & Door Co., J. W. Bailey, Pres., 2200 Lucas Drive, Dallas, Texas.—Wants fast feed matchers, saw and box machinery.

**Zinc.**—Harry Robertson, Siler City, N. C.—Wants pig or bar zinc.

### Trade Literature

#### Zeolite Water Softener Bulletin.

The Graver Corporation, East Chicago, Ind., has issued Bulletin 509, describing the Zeolite water softener, which, it is stated, is designed to give maximum results in treating water, both as to the rapidity with which the capacity of the Zeolite can be utilized and its very short installation period, installation being exceptionally easy. The bulletin gives full particulars with excellent pictures.

#### "Economy" Garages That Are Fireproof

"Economy Fire Proof Garages" is the heading of an illustrated folder published by the Birmingham Iron Roofing & Fencing Co., 126 N. 17th St., Birmingham, Ala. These garages are made of sturdy, galvanized corrugated iron and, it is claimed, there is nothing to wear out about them. The company also manufactures all-steel buildings for various purposes.

#### A Booklet About Switchboards.

The installation, operation and maintenance of switchboards is fully covered in a new 120-page booklet, paper bound, issued by the General Electric Company, Schenectady, N. Y. This booklet, bearing the number 87000-E, is profusely illustrated with photographs, diagrams, tables, formulas, etc. It contains much varied information of especial value to those engaged in the construction, installation and maintenance or operation of switchboards.

#### A C E Corliss Valve Steam Trap.

W. B. Connor, Inc., merchant-engineers, 223 West 33rd street, New York, have issued Catalogue A, 1926, which shows in detail the design, construction and method of operation of the A C E Corliss valve steam trap. On the first page appears the company's guarantee of these traps and within are complete descriptions, accompanied by pictures and diagrams, tables of sizes, capacities, etc. The company will send a copy of the catalogue to anyone upon request.

#### Flory Gasoline Hoist Catalogue.

The S. Flory Manufacturing Co., Bangor, Pa., have issued Catalogue No. 39, which is devoted exclusively to consideration and discussion of the Flory gasoline hoists. The lists cover a complete line of standard sizes from five to sixty horsepower, built in single, double or three drum units, with or without swinging gears. The same high standard of design and workmanship is maintained in these machines as is incorporated in the company's extensive line of steam and electric hoists. The 20-horsepower outfits equipped with Fordson tractor motors are the company's specialty; they are built in a number of variations of capacities and speeds to meet various operating requirements. The catalogue will be distributed to the trade. A new general catalogue of 72 pages will be issued shortly covering various hoists.

#### Shepard Crane and Hoist Book.

"Shepard Equipment for the Iron & Steel Industry," is the title of Bulletin No. 80 issued by the Shepard Electric Crane & Hoist Co., Montour Falls, N. Y. It is an unusually complete publication covering electric cranes and hoists employed in the steel manufacturing industries and each machine described and pictured in its pages is a standard product of the company. The contents of the book are so arranged as to give iron and steel manufacturers a clear conception of the types of Shepard machines. A general description is given of each together with a close up view and a view of its actual installation. All of the illustrations are accurate, being fine reproductions of actual photographs.

#### Shepard Bulletin No. 84.

Crane and derrick hoists, speed reducers, back geared electric motors and industrial, contractors' and hauling winches, are fully and accurately described and illustrated in a large new price list and catalogue published by the Shepard Electric Crane & Hoist Co., Montour Falls, N. Y. This book, which is No. 84 of the company's publications, is printed in their characteristic style upon fine heavy paper and it contains an abundance of valuable data that will be of great aid to everyone using such mechanisms, enabling them to choose precisely to meet their requirements. There are fifty-two pages all filled with facts.

#### New Littleford Catalogue.

Littleford Bros., 442 East Pearl St., Cincinnati, Ohio, have just issued a new 32 page catalogue which completely describes the Littleford road and street construction and maintenance equipment. Several new items, which have been added to the firm's line during the past several months are now in production, including a new type of oil burning asphalt heater; an oil burning tool heater for asphalt paving work; a portable rotary sand drier with mechanical drive; a bituminous grout mixing cart, all of which are made expressly for paving work. Copies of the catalogue will be sent by the firm on receipt of request.

#### Wyckoff Wood Pipe Catalogue.

Wyckoff wood pipe, made by the A. Wyckoff & Son Co., Elmira, N. Y., is comprehensively described and illustrated in a recent booklet, which also carries the name of H. H. White, as representative in Atlanta, Ga., his office being at 1503 Fourth National Bank Building. This pipe, it is stated, is especially adapted for municipal supply lines, hydro-electric plants, paper mills and other manufacturing establishments, railroad water supplies, tanneries, chemical plants, fish hatcheries, mines, ventilating lines, and also for stacks for gas and acid fumes.

#### Folder About Lake Charles, La.

The Association of Commerce, Lake Charles, La., has published an exceedingly attractive folder, copiously illustrated and entertainingly written, telling all about the advantages of that place and its surrounding country. It covers the industrial, commercial, financial, educational, religious and social life of the city and its environments, discussing also the agricultural life of the region of which Lake Charles is the center. Lake Charles is 35 miles from the Gulf of Mexico and on the Lake Charles Ship Channel along the Calcasieu River. It has direct railroad facilities.

#### Milburn Gas Regulators.

The Alexander Milburn Company, Baltimore, Md., have issued a complete folder describing and picturing their standard Milburn regulators for accurate gas delivery. They handle different kinds of gases and the illustrations show their construction in detail, with full particulars.

#### Commerce Yearbook for 1924.

The third issue of the "Commerce Yearbook," presenting a concise, readable and graphic picture of the world's industry and commerce for 1924, with special reference to the United States, is ready for distribution. The subject-matter has been expanded; charts and maps have been freely employed to illustrate the text, and the reviews, statistics and surveys are more comprehensive than ever. The publication date has been advanced by several months, thus lending an element of timeliness which will add materially to the usefulness of the publication. There is no other publication that covers such a wide range so completely and compactly. Copies can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. The price is \$1.00.

### Book Reviews

**The Financial History of the American Telephone & Telegraph Co.** By J. Warren Stehman, Ph. D. Boston and New York: Houghton-Mifflin Co. 1925. \$2.50.

Dr. Stehman, who is associate professor of economics in the University of Minnesota, reviews in this volume of 339 pages the most important financial activities of the Bell System from the time when the telephone was invented up to the present, and he also discusses the policies which were responsible for the development of this big organization—one of our largest corporations—finally analyzing in detail its financial activities, showing how they throw light upon the effectiveness of public utility regulation. The book is one of the Hart, Schaffner & Marx series designed to direct the attention of youth in America to the study of economics. It is divided into nine chapters and there are also an equal number of appendices.

**The Negro and His Songs: A Study of Typical Negro Songs in the South.** By Howard W. Odum, Ph. D., and Guy B. Johnson, A. M., Chapel Hill: The University of North Carolina Press. London: Humphrey Milford. 1925. Cloth. Pp. 306. \$3.00.

This volume is a unique interpretation of the negro as he expresses himself in song. His newer creations of religious song, his everyday social songs and his work songs are reproduced in its pages exactly as they are sung. Here are compositions that should form a notable contribution to the study of literature, folk psychology and sociology. In their work the authors have subordinated interpretation and theory to analysis and accuracy of presentation, and the result is a work which offers a wealth of material to the student of race and race relations. The preface observes that other volumes are planned to follow this one, and, including another collection of songs brought closer to date, a presentation of song and story centered around case studies, and a series of efforts to portray objectively the narrative of race progress in the United States during the last sixty years. The book is divided into nine chapters, and there are also bibliographical notes and an index of songs.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## The Petroleum Production of Venezuela.

Caracas, Venezuela.

### Editor Manufacturers Record:

The Ministry of Fomento has recently issued its report to Congress on the oil production for the calendar year of 1924, from which the following statistics are taken:

	Barrels
1922 .....	2,201,000
1923 .....	4,029,000
1924 .....	8,676,633

It is very probable that the figures are wrong, for the simple reason that the Minister himself states that the basis of his calculation is six and one-half barrels per ton, forgetting that he is dealing with metric tons and not tons reckoned at 2000 pounds; and as the tonnage given is 1,334,871 it is manifest that there is a difference in the calculation of 889,908 barrels, which would give a total of 9,566,541, and not 8,676,633 barrels as stated.

Of all depths there have been approximately 600 wells drilled in this country and the producers are not over 70. This is not a Government estimate nor that offered by promotion reports and articles published abroad with the same end in view. In addition to the 70 positive producers, there are about 28 others that produce oil, but not in sufficient quantities to justify operation because of their scattered localities and the cost of pipe line. While in the United States a 100-barrel well would be considered good business, under existing conditions here such a well would be considered unprofitable unless it was within a short distance of some reasonably cheap means of transportation.

The production (my own statistics) during the year from April, 1924, to May 1, 1925, was 10,261,400 barrels, which places Venezuela as the sixth greatest producing nation. I estimate next year's production to be about 15,000,000 barrels.

The Government's statistics divide the production as follows:

	Tons
The Caribbean Petroleum Company.....	737,871
The Venezuelan Oil Concessions.....	386,167
The British controlled oil fields.....	149,916
British Equatorial Oil Company.....	57,364
Urdaneta Exploration Company.....	3,551

The remarkable feature of this exhibit is that not one ton was produced by any above listed company that is not under complete British control. The Caribbean Company (headquarters Philadelphia) is only pseudo-American and belongs to the Shell interests. It is very remarkable also that the production of the New England Oil Company, which is an American corporation, owned by all-American interests, is not listed. The manager told me some time ago that it was producing 1500 barrels per day, had installed pipe line and pumps and that the oil was of high grade and being sold to British interests.

Successful developments have established the great value of the Maturin district in the eastern part of the Republic. This field is controlled by the Standard Oil Company, which also has acquired extensive holdings in the Maracaibo and Paraguana districts. The only drawback to extensive oil development in this country has been the difficulty of ocean transportation, due to the lack of good harbors near the oil fields. Over the bar at the entrance of Lake Maracaibo there is a depth of only 11 feet at low water and 13 feet at high tide. The same can be said of the bar at the entrance of the Orinoco River. Pipe lines are under construction from the Maracaibo fields to the Coroan peninsula, the completion of which will give an outlet for the oil from the Maracaibo basin. This includes an extensive oil area which extends into Colombia and proved territory. Navigation for tankers in and out of the Lake of Maracaibo is economically burdensome, because only small ships may pass over the bar and

transshipment makes an appreciable reduction in the profits.

I spent the period from June, 1923, to July, 1924, exploring in the wilds of the upper Orinoco and western Amazon valleys. I found that the greatest oil field of America extends along the foothills of the central Andes west of the Orinoco River, and particularly in the great plains of Casanares in Colombia. There are spots along the western tributaries of the Amazon in Venezuela and Colombia that will probably also become oil producers in the remote future. All of these lie west of the archaic granites common to the Brazilian Andes, and which extend in striated form to the western shores of the Orinoco and at places enter the vast llano country, coming into the country from Guayana and Brazil west of this river. The llanos, or plains, themselves are oil-bearing and will shortly, no doubt, be developed. I believe that my recent investigations will contribute largely to the future oil development of South America.

A commission of three American geologists representing a powerful syndicate is now starting into the interior to check up my last year's report on the oil of the remote Apure River Valley. The Trans-Amazon oil fields cover approximately 40,000 square miles. I want to emphasize the fact that this area does not actually represent a total productive territory, but that within this zone it is possible to find economically profitable oil pools of very extensive acreage. The trouble with the llanos is that for 5 months of each year the region is covered with the flood waters of the great river system composing the Orinoco watershed.

A concession has been granted by the Venezuelan Government for a pipe line crossing the national domain and to connect with a similar pipe line in Colombia for the purpose of transporting the oil from the Colombian fields if and when developed, but the charge allowed for carrying the oil is 8 cents per ton kilometer, or about 13 cents per mile, and the distance is 400 miles, which would make a transportation charge of \$52 per ton, with a sales value of from \$10 to \$15 per ton. A portion of the oil is paraffin, as may be seen from my analysis made during my first visit to the Casanares district in 1890 and published in Vol. VIII, Mineral Industry, 1899. Besides the cost of transportation allowed under the terms of the Venezuelan concession, which cost could be reduced if the owners of the pipe line were so disposed, there is the additional objection to the concession that it attempts to establish an international route, which naturally will require an international port of entry and exchange, without following the nicety of diplomatic usage by not in the least consulting the pleasure of Colombia on the subject. It is probable, however, that Venezuela and Colombia will make a treaty on the matter which will be of service to all interests and establish an international pipe line operated on practical lines and free from the taint of alleged monopoly.

I have recently finished a survey of a private pipe line which reaches from the Caribbean Sea to the north bank of the Rio Apure, 200 miles. As this line reaches within 191 miles of the new oil fields in Colombia, it could furnish the basis of this enterprise, or rather the first section of the line itself.

CHARLES F. Z. CARACRISTI, Geologist.

## Underwear Knitting Plant for Norfolk.

Norfolk, Va.—General contract has been awarded to J. W. Saunders of this city by William Sloane & Co. for the erection of a \$10,000 mill building to house machinery for an electrically driven plant to manufacture cotton knit underwear. The structure will be of brick, 75 by 80 feet. Wickham C. Taylor of Norfolk is the architect.



### Big Advance in Stock of Southeastern Light & Power Co.—Holding Company for Alabama Power.

Birmingham, Ala., July 20.—The sensational advance in the stock of the Southeastern Light & Power Co., the holding company of the Alabama Traction & Power Co. and the Alabama Power Company, the great hydro-electric concern of this district, has brought out most startling information in the last few days, showing that several members of the board of directors of the power company, financiers of the city and others purchased stock in the Southeastern Company and enjoyed the rise from \$8 a share to \$135¼.

A pool was organized more than a year ago to take over the stock of the late James Mitchell, former president of the Alabama Power Company. The stock was in the Alabama Traction & Power Co. When the stock of the English holders was obtained, reorganization was perfected under the Maine laws and the Southeastern Light & Power Co. was evolved. Two shares of stock were issued for each share of Alabama Traction. The pool that took over the Mitchell stock paid \$8 for it and there were 50,000 shares, so that 100,000 shares of Southeastern stock were issued, costing \$4 a share. From that price up to \$135.25 means a profit of more than \$13,000,000 for the pool. It has developed since the sensational rise in this stock, starting in June, that many of the employees of the Alabama Power Company bought stock and are riding on the advance with big profit.

The Alabama Power Company has several large hydro-electric projects in hand and expects to take over the surplus power of the Muscle Shoals dam and plant during the tests which begin in August. A business of great mag-

nitude has been worked up by the Alabama Power Company. The sensational rise in stock and the vast profits as told has been given much circulation in financial circles here.

### Development Company Secures 1,156,000 Acres on Florida West Coast.

Homosassa, Fla.—Recently organized to take over properties in a number of counties on the west coast of Florida, the Florida West Coast Development Co. of Chicago has acquired approximately 1,156,000 acres of lands in Hernando, Citrus, Levy, Dixie, Taylor, Jefferson and Wakulla counties. These lands include a number of islands, about 122 miles of beaches, along the Gulf of Mexico, and about 140 miles on various rivers, including the Homosassa, Suwanee, Steingatchee and Fenholloway. The company has engaged Harland Bartholomew, city planner, of St. Louis, to lay out a model city at Homosassa, and he is now at work on plans.

Developments will include a bank, hotel, newspaper office, office building and a large number of residences to be erected as soon as the city planners and commissioners are able to indicate locations for the various structures. Officers of the West Coast Development Co. include the following: T. F. Ragsdale, president, Inverness, Fla.; N. G. Lenington, vice-president; W. L. Kellogg, secretary; H. S. Hoover, treasurer, and Ray Soldwell, assistant secretary and treasurer, all of Chicago; R. A. Stevens, assistant secretary and treasurer, Inverness.

A bond issue of \$115,000 for municipal improvements has been sold by the city of Daytona Beach, Fla., E. A. Donovan, city clerk, to the Merchants Bank & Trust Co., Daytona, at \$114.528, the bonds to bear an interest rate of 5 per cent.

## Opportunities for Southern Sales and Contracts

The comparative figures below strikingly indicate the tremendous sales opportunities in Maryland, the Virginias, the Carolinas, Georgia, Florida, Alabama, Louisiana, Texas, Arkansas, Tennessee, Kentucky, Oklahoma, Mississippi and Missouri. The big gains over the previous year, as told in the summary herewith, show the steady forward movement throughout the South in all lines of endeavor and reveal the steadily increasing buying power of this section of the country.

### Six Months Expansion Record This Year and Last Year

1925 January to June		1924 January to June
\$383,640,000	Building and construction contracts let covering only projects costing \$10,000 and over.	\$342,780,000
\$198,000,000	Public improvement bonds sold.	\$183,000,000
46,768	Number of items of construction news, indicating the rate at which the South is growing.	35,254

If you would like to obtain construction and building contracts or increase your Southern sales, you should receive the Manufacturers Record regularly each week. The Construction Department presents invaluable sales leads.

**Subscribe Now**—\$6.50 one year—52 issues.  
\$10.00 two years—104 issues.

**MANUFACTURERS RECORD**

—:-

**BALTIMORE, MARYLAND**

## FINANCIAL NEWS

## Bond Issues Proposed

- Ala., Gadsden—School—City, C. A. Donohoo, City Clk., receives bids Aug. 3 for \$60,000 5% bonds.\*
- Ala., Opelika—Improvement—City, Henry K. Dickinson, Mayor, receives bids July 29 for \$55,000 6% \$1000 denom. bonds; W. S. Harris, City Clk.\*
- Ala., Tuscaloosa—School—City voted \$100,000 bonds; M. G. Kersh, City Clk.\*
- Ala., Vernon—School—Town voted \$8000 bonds. Address Town Clk.
- Ark., Texarkana—Street Paving—City votes Aug. 12 on \$600,000 bonds. Address City Clk.
- Fla., Arcadia—County Hospital—De Soto County Comms. will call election soon on \$150,000 bonds.
- Fla., Inverness—School—Board of Public Instruction, I. O. Fender, Chmn., receives bids July 28 for \$30,000 Special Tax School Dist. No. 13, and \$40,000 Special Tax School Dist. No. 1 6% bonds.
- Fla., Inverness—Road—Citrus County Comms. contemplate \$1,000,000 bond election.
- Fla., Jacksonville—School—Duval County Board of Public Instruction will call election on \$100,000 School Tax Dist. No. 6 bonds.
- Fla., Fort Pierce—St. Lucie County plans selling \$100,000 Jensen Road and Bridge Dist. bonds. Address County Comms.
- Fla., Live Oak—Public Improvement—Bond Trustees receive bids Aug. 24 for \$37,000 5% bonds; E. S. Conner, Chmn.
- Fla., Melbourne—Street Improvement—City contemplates bond election. Address City Clk.
- Fla., Murray Hill—Street Improvement—Town, P. W. Hutcheson, Clk., receives bids July 27 for \$59,000 6% bonds.
- Fla., New Smyrna—Municipal Improvement—City, R. L. Mudgett, Clk. and City Auditor, receives bids Aug. 3 for \$390,000 6% \$1000 denom. bonds; \$320,000, street paving; \$70,000 water works.
- Fla., Orlando—Refund—City, J. A. Stinson, Clk., receives bids Aug. 1 for \$500,000 5% \$1000 denom. bonds; Jas. L. Giles, Mayor.\*
- Fla., Orlando—Auditorium—City voted \$175,000 bonds; James L. Giles, Mayor.\*
- Fla., Palatka—School—Putnam County Board of Education will call election Aug. 4 on \$200,000 bonds.
- Fla., Palm Beach—Street Improvement—Public Utilities—City votes July 25 on \$100,000 bonds. Address City Clk.
- Fla., Palmetto—Water Mains—City voted \$50,000 bonds. Address City Clk.
- Fla., Sarasota Heights—Bridge—Town, J. W. Tatum, Clk., receives bids Aug. 7 for \$25,000 6% \$500 denom. bonds; J. W. Harvey, Mayor.
- Fla., Sarasota—Park—City, E. J. Bacon, Mayor, voted \$225,000 bonds.\*
- Fla., Sebring—Municipal Improvement—City, voted \$695,000 bonds: \$45,000, sanitary sewers; \$20,000, storm sewers; \$230,000, paving; \$300,000, light and water extensions; \$75,000, park and piers; \$25,000, garbage disposal plant. Address City Commissioners.\*
- Fla., St. Augustine—Municipal Improvement—City will issue \$295,500 local assessment lien improvement bonds. Address Peter Kendrick Engineering Co., Fuller Wood Park.
- Fla., St. Petersburg—Municipal Improvement—City, R. E. Ludwig, Director of Public Utilities, votes Sept. 8 on \$3,119,000 bonds: \$1,000,000 incinerator; \$110,000 reinforced concrete bridges; \$365,000 sewerage disposal plant; \$45,000 dredging and improving Mirror Lake; \$235,000 purchase and install 2 units to power plant; \$60,000 retire mortgage on dormitory site; \$443,000 storm sewers; \$21,000 construct and enlarge drainage ditches; \$86,000 water plant improvement; \$946,000 expand water distribution system; \$253,449 gas plant extension; \$236,501 extend mains; \$100,000 purchase street cars; \$92,000 additional trackage; \$193,000 car barns; 15,000 extend First Ave. loop; R. S. Pierce, Mayor.
- Fla., Tampa—Road and Bridge—Hillsborough County, Fifth Comms. Dist., contemplates \$1,000,000 bond election; A. B. Pimm, County Engr. Lately noted contemplates \$750,000 bond election.
- Fla., West Palm Beach—City, Henry Stephens Harvey, Mayor, votes July 29 on \$2,000,000 bonds: \$35,000, sprinkler system; \$568,500, parks; \$11,500, casino; \$50,000, install fire and police alarm system; \$35,000, signal system; \$50,000, purchase fire apparatus; \$175,000, central fire and police station; \$35,000, municipal garage; \$60,000, trucks, rollers, etc.; \$80,000, incinerators; \$25,000, street signs; \$120,000, sidewalks; \$100,000, paving assessments, etc.; \$220,000, seawalls; \$50,000, sewer and water; \$100,000, opening streets; \$225,000, water mains; Hugh J. Daugherty, Clk.
- Fla., West Palm Beach—School—Palm Beach County, Lake Worth Dist., voted \$175,000 bonds, and Pahokee Dist. voted \$500,000 bonds. Address County Comms.\*
- Fla., West Palm Beach—Road and Bridge—Palm Beach County votes Aug. 18 on \$600,000 bonds. Address County Comms.
- Ga., Molena—School—City votes Aug. 3 on \$19,000 bonds. Address City Clk.
- Ga., Summerville—School—Summerville School Board, J. C. Ellis, Supt., receives bids Sept. 5 for \$600,000 bonds.
- Ky., Stanford—Road—Lincoln County Comms. contemplate \$200,000 bond election.
- La., Gretna—School—Jefferson Parish School Board, J. C. Ellis, Supt., receives bids Sept. 5 for \$600,000 bonds.
- La., Jena—La Salle Parish Police Jury, P. S. Gaharan, Jr., Clk., receives bids Aug. 5 for \$30,500 6% Sub-Road Dist. No. 1 bonds.
- La., Leesville—Road—Vernon Parish Police Jury, A. B. Cavanaugh, Clk., receives bids Aug. 3 for \$175,000 6% Sub-Road Dist. No. 1, of Road Dist. No. 2 bonds.
- La., Marksville—School—Avoyelles Parish School Board, J. M. Barham, Pres., receives bids Aug. 4 for \$75,000 6% Moreauville School Dist. No. 5 bonds \$20,000, 6% Simmesport School Dist. No. 7 bonds; \$15,000 6% Odenburg School Dist. No. 4 bonds.
- La., New Orleans—Paving—Arthur J. O'Keefe, Commr. of Public Finance, receives bids Aug. 3 for \$1,349,500 certificates.
- La., New Roads—Road—Pointe Coupee Parish voted \$75,000 bonds. Address Parish Police Jury.
- La., Opelousas—Road—St. Landry Parish Police Jury, E. Octave Pay, Pres., receives bids Aug. 3 for \$40,000 6%, Third Sub-Road Dist. of Fourth Police Jury Ward bonds, and \$75,000 6%, First Sub-Road Dist. of Fourth Police Jury Ward bonds.
- La., Welsh—Water Works—Town votes Aug. 11 on \$50,000 bonds. Address Town Clk.
- Md., Annapolis—Road—General Construction—State Treasurer John M. Dennis, receives bids Aug. 11 for \$250,000 4½% Baltimore-Southern Maryland Trunk Line Road Loan of 1922, and \$515,000 4½% General Construction Loan of 1924 bonds; Albert C. Ritchie, Governor.
- Miss., Batesville—Road—Panola County voted \$8000 bonds. Address Board of Suprvs.
- Miss., Woodville—Road—Wilkinson County Board of Suprvs. receives bids Aug. 3 on \$40,000 bonds.\*
- Mo., Caruthersville—County Jail—Pemiscot County Court will call election Aug. 4 on \$50,000 bonds. Address County Comms.\*
- Mo., Chillicothe—City Hall—City will vote on \$75,000 bonds. Address City Clk.
- Mo., Farmington—Courthouse—St. Francois County will vote on \$250,000 bonds. Address County Comms.
- Mo., Joplin—School—City defeated \$750,000 bond issue. Address City Clk.\*
- Mo., Malden—Water Works and Electric Plant—City plans voting on \$53,000 bonds; F. L. Wilcox, Engr., Chemical Bldg.
- Mo., Neosho—Water Works Improvement—City defeated \$30,000 bond issue; D. N. Lewis, City Clk.\*
- Mo., Nevada—Subway—City plans selling \$15,000 bonds. Address City Clk.
- N. C., Beulaville—Electric Light—Town, R. W. Craft, Town Clk., receives bids July 25 for \$100,000 6% \$1000 denom. bonds.
- N. C., Raleigh—Road—Wake County Comms. contemplate \$1,100,000 bond election. Lately noted contemplated \$890,000 bond election.
- N. C., Halifax—Road—Halifax County Comms., J. W. Whitaker, Chmn., receives bids Aug. 3 for \$500,000 bonds.\*
- N. C., Hickory—Indebtedness—City plans \$130,000 bond issue. Address City Mgr.
- N. C., Kinston—School—City voted \$150,000 bonds; Kader Curtis, Supt. Board of Trustees.\*
- N. C., Mount Holly—Water—Town, J. W. Holland, Clk., receives bids July 28 for \$20,000 5% \$500 denom. bonds.
- N. C., Rockingham—Road and Bridge—Richland County Board of Comms. receives bids July 28 for \$300,000 6% \$1000 denom. bonds; R. L. Johnson, Register of Deeds.
- Okla., Oklahoma City—City votes Aug. 4 on \$1,750,000 sewer and \$60,000 market bonds. Address Mayor Cargill.
- Okla., Walters—Dam—City votes July 23 on \$25,000 bonds; A. F. Thompson, Engr.
- S. C., Cottageville—School—Cottageville Consolidated School Dist. voted \$10,000 bonds; Prof. C. K. Ackerman, School Supt.
- S. C., Greenville—Water Works Extension—City receives bids Aug. 11 for \$500,000 4½ or 5% bonds.
- S. C., Greenwood—School—J. G. Gambrell, Sec. Board of Trustees, Ware Shoals School Dist. No. 2, receives bids Aug. 11 for \$104,000 bonds.
- S. C., Ridgeland—Road—Jasper County will receive bids Aug. 3 for \$40,000 bonds. Address County Comms.
- Tenn., Cleveland—Road—Bradley County defeated \$50,000 bond issue. Address County Comms.\*
- Tenn., Dresden—School—Weakley County Board of Trustees of Dresden Special School Dist., W. J. Jeter, Sec.-Treas., receives bids Aug. 3 for \$17,000 6% bonds.
- Tenn., Dresden—School—City voted \$17,000 bonds. Address City Clk.
- Tenn., Englewood—School—City Election Comn. will call election July 25 on \$20,000 bonds.
- Tenn., Lookout Mountain—Fire Department Improvement—Town voted \$30,000 bonds. Address Town Clk.\*
- Tenn., Martin—Indebtedness—City voted \$35,000 bonds. Address City Clk.\*
- Tenn., Nashville—Water Works—City plans selling \$1,000,000 bonds. Address City Clk.
- Tenn., Watertown—Water Works—City, W. J. Scott, Mayor, votes Aug. 18 on \$55,000 5½% bonds.\*
- Tex., Abilene—Buildings—City, Chas. E. Coombes, Mayor, votes Aug. 10 on \$410,000 bonds: \$125,000, city hall; \$75,000, auditorium; \$50,000, fire station; \$160,000, school.
- Tex., Abilene—Municipal Improvement—City, Chas. E. Coombes, Mayor, vote Aug. 10 on \$250,000 water works improvement, and \$50,000 sewer extension.\*
- Tex., Brownfield—Sewer—City voted \$50,000 bonds; Morgan L. Copeland, Sec.
- Tex., Grand Prairie—Water Works—City voted \$20,000 bonds. Address City Clk.
- Tex., Haskell—Road—Haskell County votes Aug. 15 on \$1,500,000 bonds; will sell \$1,380,000 bonds; Jesse G. Foster, County Judge.\*
- Tex., Kerrville—Street Improvement—City voted \$50,000 bonds. Address the Mayor.\*
- Tex., La Grange—Road—Fayette County votes July 25 on \$25,000 bonds. Address County Comms.
- Tex., Mission—Water Works Improvements—City, John T. Williamson, Sec., voted \$60,000 bonds.
- Tex., San Antonio—School—San Antonio Independent School Dist. voted \$300,000 bonds. Address Board of Trustees.\*
- Tex., Sherman—Road—Grayson County votes July 28 on \$5,800,000 bonds. Address County Comms.\*
- Tex., Tahoka—Road—Lynn County defeated \$500,000 bonds. C. H. Cain, County Judge.\*
- Tex., Texarkana—Street Paving—City votes Aug. 12 on \$600,000 bonds. Address City Clk.
- Tex., Wichita Falls—Municipal Improvement—City, W. E. McBroom, Sec., will call election in about 60 days on \$450,000 bonds: \$100,000 street paving; \$300,000 sewage disposal plant; \$50,000 sewer extension; Montgomery & Ward, 1016 City National Bank Bldg., Engrs.
- Va., Alexandria—Street Improvement—In-

(Continued on page 112.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



## FINANCIAL NEWS

(Continued from page 111.)

debtedness—City Hall—City contemplates \$100,000 bond issue. Address City Clk.

Va., Warrenton—Street Paving, Sewer, Water—City voted \$105,000 bonds. Address City Clk.

W. Va., Beckley—Road—Raleigh County, Beckley Dist., votes Aug. 15 on \$660,000 bonds.\*

W. Va., Huntington—Municipal Improvement—City, A. R. Hunt, Clk.; plans selling \$150,000 bonds; Will E. Neal, Mayor.

W. Va., Morgantown—Street Improvement—City, G. H. Bayles, City Mgr., votes Aug. 6 on \$400,000 5% bonds.

W. Va., Wayne—Road—Wayne County Commrs., Butler Dist., will call election Aug. 8 on \$200,000 bonds.\*

## Bond Issues Sold

Ala., Mobile—Lighting Improvement—City Comm., S. H. Hendrix, City Clk., sold \$130,000 5% Series 1, 2, 3 and 4 bonds to People's Bank of Mobile, 113 St. Frances St., at premium of \$4531.\*

Ark., Little Rock—Paving—City sold 6% bonds to Guy E. Thompson, Bankers Trust Co., Little Rock, at 103.06.

Ark., Newport—Indebtedness—City sold \$116,500 5% bonds to Farmers' National Bank of Newport, at premium of \$3,425.

Ark., Texarkana—Refund—Board of Public Affairs, W. W. Shaw, City Clk., sold \$211,000 4½% bonds to First National Co., 323 N. Broadway St., St. Louis, at 98 net.\*

Fla., Bartow—School—Polk County sold \$279,000 6% bonds: \$160,000, Dist. No. 53, Braun, Bosworth & Co.; \$65,000, Dist. No. 2, Vandersall & Co.; \$15,000, Dist. No. 7, and \$25,000, Dist. No. 58, Stranahan, Harris & Oatis, Inc.; \$14,000, Dist. No. 18, Prudden & Co., all Toledo.

Fla., De Funiak Springs—City Hall—City, Dr. E. L. Townsend, Mayor, sold \$15,000 6% bonds to Weil, Roth & Irving Co., Cincinnati, at premium of \$435.\*

Fla., Fort Pierce—Road and Bridge—St. Lucie County Commrs., P. C. Eldred, Clk., sold \$845,000 bonds to Fort Pierce Bank & Trust Co. at \$890.207 and accrued interest.\*

Fla., Haines City—Street Improvement—City, Jesse P. Ferrill, Clk., sold \$290,000 6% bonds to Florida National Bank of Jacksonville, at \$297.410.\*

Fla., Lakeland—Water and Light—Park—City, J. L. Davis, Clk., sold to Atlantic National Bank of Jacksonville, through F. B. Childers, Representative, \$200,000, light and water bonds, at about 111, and \$400,000 5½% park improvement bonds at 111.12.\*

Fla., Milton—School—Santa Rosa County sold \$125,000 6% coupon bonds to National City Co., 55 Wall St., New York at premium of \$5135.

Fla., Sarasota—Bridge—City, H. L. Southwick, Clk., sold \$25,000 5% bonds to Braun, Bosworth & Co., Toledo, Ohio, at \$25.479.\*

Fla., Wauchula—Road and Bridge—Hardee County Commrs., S. W. Conroy, Clk., sold \$50,000 6% bonds to Spitzer, Rorick & Co., Toledo, at \$51.145 and accrued interest.\*

Ga., Atlanta—Improvement—Atlanta Terminal Co., R. B. Pegram, Pres., 120 East Hunter St., sold \$200,000 5% bonds to Guaranty Trust Co., 140 Broadway, New York, as Trustee, at not less than 98 per cent and accrued interest.\*

Ga., Milledgeville—School—City, R. T. Baisden, Sr., Clk., sold \$47,800 5% bonds to Bell, Speas Co., Atlanta, at \$50.200 and accrued interest.\*

Ga., Thomasville—Road—Thomas County Board of Commrs. of Roads and Revenues, S. L. Heald, Clk., sold \$200,000 5% bonds to Trust Co. of Georgia, Atlanta, at premium of \$16.630.\*

Ky., Owingsville—Road and Bridge—Bath Fiscal Court sold \$50,000 bonds to Weil, Roth & Irving Co., Cincinnati, Ohio, at premium of \$515.

La., Baton Rouge—Road—East Baton Rouge Police Jury, F. A. Woods, Sec., sold \$40,000 5½% bonds to Interstate Trust & Banking Co., 101 Camp St., New Orleans, at \$40.251 and accrued interest.\*

La., Opelousas—Road—St. Landry Parish Police Jury sold \$50,000 Subroad Dist. of Fourth Police Jury Ward bonds to Planters' Bank & Trust Co. of Opelousas.

Miss., Magnolia—Roads—Pike County, sold \$125,000 5% Northern Road Dist. bonds

to Mississippi Bond & Securities Co., of Jackson.\*

Miss., Senatobia—School—Tate County, Greenleaf Dist., sold \$12,000 bonds to I. B. Tigret, Jackson, Tenn.\*

Mo., Kansas City—Sewer—City sold to Dillon, Read & Co., Nassau and Cedar Sts., New York, \$3,000,000 Blue Valley bonds at premium of \$86.087, and \$1,523,000 Goose-neck at premium of \$43.678.

N. C., Biltmore—Street, Water, Electric—Town, H. H. Nabor, Clk., sold \$45,000 5½% bonds to Whittlesey, McLean & Co., Detroit, at premium of \$315.\*

N. C., Henderson—School—Board of Trustees of Epsom School Dist., E. M. Rollins, Supt., sold \$50,000 5½% bonds to Weil, Rood & Irving Co., Cincinnati, at premium of \$3313.\*

N. C., Rutherfordton—Courthouse—Rutherford County Commrs., M. T. Wilkie, Clk., sold \$250,000 4½% \$1000 denom. bonds to R. S. Dickson & Co., Gastonia, at \$1700 above par.\*

N. C., Wilson—Highway—Wilson County sold \$625,000 bonds to A. T. Bell & Co., Toledo, at premium of \$5129.

N. C., Wadesboro—Street and Refund—Town sold \$50,000 5% bonds to Spitzer, Rorick & Co., Toledo, at \$50.074 and accrued interest.

Okl., Tulsa—School—City sold \$400,000 bonds to George R. Broadwell, at premium of \$22.350.

Tex., Flatonia—Water Works—City sold \$70,000 5% bonds to Flatonia State Bank. Address Mayor Fernau.

## Building and Loan Associations

Fla., St. Petersburg—Home Building & Finance Co., capital \$10,000, incorporated; F. Walker, Pres., 542 Second Ave.

Fla., Tallahassee—Prudential Building & Loan Assn., capital \$200,000, incorporated; L. A. Tatum, Pres.; Virginia Tatum, Sec.-Treas.

Fla., Tampa—Tampa Mutual Building & Loan Assn., W. C. Greening, Sec., 1003 S. Dakota Ave., increased capital, \$1,000,000 to \$5,000,000.

Okl., Pauls Valley—Pauls Valley Building & Loan Assn. increased capital, \$500,000 to \$1,000,000.

## New Financial Corporations

Ala., Anderson—Farmers Bank of Anderson, Alabama, capital \$20,000, incorporated; E. H. Byrom, R. R. Word.

Fla., Boynton—Bank of Boynton, D. S. Hudson, Cashier, plans increasing capital, \$15,000 to \$30,000.

Fla., Dania—Standard Finance Corp., capital \$50,000, incorporated; Wm. L. Foley, Pres.; Maxwell Baxter, Sec.

Fla., Daytona—Sunnyland Mortgage Co., capital \$500,000, incorporated; C. E. Campbell, Pres., 48 Lenox St.

Fla., Delray—Atlantic Brokerage Corp., capital \$50,000, incorporated; J. H. Atkins, Pres.-Treas.; H. Haild Zeder, V.-P. and Sec.

Fla., De Funiak Springs—Tidewater Investment Co., capital \$10,000, incorporated; J. D. Russ, A. R. McAllister.

Fla., Port Orange—Fort Orange State Bank, capital \$15,000, incorporated; H. G. Skills, Geo. H. Wood.

Fla., Jacksonville—Coral State Investment Corp., capital \$100,000, incorporated; Alfred Miller, 429 W. 10th St., Pres.

Fla., Jacksonville—Najax Investment Co., capital \$50,000, incorporated; Jesse L. Williams, Sec.-Treas., St. James Bldg.

Fla., Lakeland—Dozier Investment Co., capital \$20,000, incorporated; O. A. Dozier, J. W. McElhaman.

Fla., Miami—Gordon Investment Co., incorporated; Frank Gordon, Pres.

Fla., Miami—Grant Investment Co., capital \$20,000, incorporated; Wm. O. Thompson, 910 N. W. 9th St.

Fla., Miami—National Finance & Development Corp., capital \$1,000,000, incorporated; Gordon Carr, Sec.

Fla., Miami—Dade County Criminal Bond Corp., capital \$20,000, incorporated Jas. F. Vaughn, 121 N. W. 11th Ave.

Fla., Miami—Edarth Investment Co., capital \$25,000, incorporated Paul E. Thomas, Ralph Bailey.

Fla., Miami—Flagler Bank & Trust Co., capital \$100,000, incorporated J. R. Anthony, Pres.; R. I. Stewart, Cashier.

Fla., Melbourne—Florida Investment & Mortgage Co., capital \$10,000, incorporated; John L. Smith, Kenneth S. Hall.

Fla., Miami—Paradise Investment Co., capital \$10,000, incorporated; Mathew McBride, 173 W. Flagler St.

Fla., Miami Beach—Reid Properties Co., John B. Reid, Pres., plans organizing mortgage and bonding house in Reid Bldg., with \$600,000 capital.

Fla., Sarasota—Trust Co. of Sarasota, capital \$10,000, incorporated; A. E. Cummer, Pres.; Hugh L. C. Stevens, Sec.

Fla., Sebring—Sebring Investment Co., capital \$25,000, incorporated H. M. Lorbach, F. T. Haskins.

Fla., Tampa—Ansalc Investment Co., capital \$15,000, incorporated; E. V. Plane, 1819 Jelton Ave.

Fla., Tampa—Stelman Investment Co., incorporated; Martin Caraballo, Citizens Bank Bldg.

Fla., Tampa—Taber Investment Co., capital \$50,000, incorporated; Jos. A. Sweeney, Sec.-Treas., 909 Bruce St.

Fla., Tampa—Wentworth Investment Co., incorporated; J. P. and W. E. Wentworth.

Fla., West Palm Beach—Boynton Finance Corp., capital \$24,000, incorporated; Stiles C. Hall, C. O. Miller.

Fla., West Palm Beach—Guaranteed Investment Co., incorporated; J. P. and Clark G. Kuney.

Ga., Athens—Citizens' & Southern Bank, M. B. Lane, Pres., plans establishing branch bank.

Ky., Louisville—Guaranty Mortgage Co., capital \$25,000, incorporated; F. J. Herrmann, 1229 Logan St.

Ky., Louisville—Pioneer Finance Corp., capital \$100,000, incorporated; E. J. Reiss, Frank Scholters.

Ky., Louisa—Big Sandy Commercial Bank, capital \$76,000, incorporated; Kit C. Elswick, W. T. Cain, Sr.

La., New Orleans—Hustlers' Investment Co., Inc., incorporated; J. Blanc Monroe, Pres., 1424 Louisiana Ave.

La., New Orleans—New Orleans Bank & Trust Co., G. Owen Vincent, Pres., Marenzo Apts., plans increasing capital to \$1,200,000.

La., Shreveport—American National Bank increased capital, \$150,000 to \$300,000; capital, \$100,000 to \$150,000; Paul M. tion of American National Bank, increased American Bank & Trust Co., savings institution, 403 Olive St.

Mo., Jefferson City—Frank Investment Co., capital \$25,000, incorporated; F. G. Robinson, W. M. Dyer.

Mo., St. Louis—Welfare Investment Co., incorporated; Elizabeth Mulahy, 3730 Lindell Blvd.

Mo., St. Louis—Fourteenth St. Investment Co., capital \$10,000, incorporated; H. Friedman, 5035 Cates St.

N. C., Winston-Salem—Hood Systems Industrial Bank of Winston-Salem, incorporated; G. P. Hood, Goldsboro; C. M. Campbell, Jr., 156 W. End Blvd.

Okl., Afton—Geo. O. Shepherd, Pres. Farmers' State Bank of Afton, and Security State Bank of Miami, purchased controlling interest in First National Bank; Geo. O. Shepherd, Pres.; D. F. Ogden, Cashier.

Tenn., Knoxville—Security Finance & Trust Co., capital \$100,000, incorporated; W. H. Fowle, 924 N. Fourth St.

Tenn., Lebanon—American National Bank, W. D. Ferrel, Cashier, plans increasing capital, \$50,000 to \$100,000.

Tex., Dallas—Farmers Fund of Texas, capital \$100,000, incorporated; H. W. Ferguson, Pres., Merchants Bank Bldg.

Tex., Littlefield—First National Bank of Littlefield, capital \$25,000, incorporated; W. O. Stevens, Pres.

(Continued on page 114.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

## The Voice of Conscious Business

Conscious Business is business that *knows* itself—whence it came and where it is going—how far and how fast—and its guiding *voice* is THE BUDGET. Where this voice is present there is Profit and Progress. Without it—waste, loss, failure.

Conscious Business knows its own strength and its own weakness. Its possibilities, its limitations, are as clear as Spring sunshine. It makes its own conditions. It plans its work and it works its plan with the courage of confidence.

The voice of Conscious Business expresses itself thru its *well-planned Budgets* based on Sound Methods of Cost Accounting. Dependable Facts and Figures from every department tell the vital business story, develop better business methods and establish control.

*Our new 32-page book, "Budget Control," mailed to executives on request, Address nearest office.*

### ERNST & ERNST AUDITS - SYSTEMS TAX SERVICE

NEW YORK  
BUFFALO  
ROCHESTER  
BOSTON  
PROVIDENCE  
PHILADELPHIA  
BALTIMORE  
WASHINGTON  
RICHMOND

CLEVELAND  
CINCINNATI  
TOLEDO  
COLUMBUS  
YOUNGSTOWN  
AKRON  
CANTON  
DAYTON  
LOUISVILLE

DETROIT  
GRAND RAPIDS  
KALAMAZOO  
PITTSBURGH  
WHEELING  
ERIE  
CHICAGO  
MILWAUKEE  
MEMPHIS

MINNEAPOLIS  
ST. PAUL  
DAVENPORT  
INDIANAPOLIS  
ST. LOUIS  
KANSAS CITY  
OMAHA  
DENVER  
SAN FRANCISCO

LOS ANGELES  
ATLANTA  
JACKSON  
NEW ORLEANS  
DALLAS  
HOUSTON  
FORT WORTH  
SAN ANTONIO  
WACO



(Continued from page 112.)

Tex., Nixon—Nixon National Bank, capital \$25,000, incorporated; S. A. Brown, E. Weber.

Va., Richmond—Industrial Bank of Richmond, R. McBullington, Pres., 1323 E. Cary St., plans increasing capital, \$300,000 to \$1,000,000.

W. Va., Parkersburg—Workmen's Finance Corp., capital \$100,000, incorporated; J. P. Snyder, 1603 Seventh St.

W. Va., Welch—Southern West Virginia Mortgage Co., capital \$25,000, incorporated; D. J. F. Strother, Graham Sale.

Temple, Tex.; Crockett, Tex.; Raymondsville, Tex.; Sugarland, Tex.; Fayette, Miss.; Alba, Tex.; Welch, W. Va.; Enid, Okla.; Pinehurst, N. C.; Tampa, Fla.; Crystal River, Fla.; Durham, N. C. At several places two or more sales were made.

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Ohio Electric Appointment.

The Ohio Electric & Controller Co. have appointed J. B. Howard, 398 Newbury street, Boston, Mass., as their New England sales representative. The main office and works are at 5909 Maurice avenue, Cleveland, Ohio.

### J. S. Mundy Company's New Factory.

Ground was broken Tuesday, July 14, at 722 Frelinghuysen avenue, Newark, N. J., for the new factory building of the J. S. Mundy Hoisting Engine Co. of that city. It will be a two-story structure, 40 feet by 140 feet, and will be built of reinforced concrete, brick and steel and of architecture similar to the present buildings. The second floor will be occupied by the engineering department, advertising department, cost department and pattern shop. The ground floor will be used for a machine shop, which will be equipped with the most improved type of rapid-production machine tools. It is expected to be ready for use about October 1 of this year. Clinton L. Mundy, president and general manager, estimates that the additional 11,000 square feet of floor space to be acquired by the erection of the new shop will increase production by 30 per cent.

### Important Advertising Affiliation.

The C. C. Carr Advertising Agency, with headquarters in St. Petersburg, Fla., has been reorganized as the Lesan-Carr Advertising Agency. Mr. Carr, as president, will remain in active charge, with H. E. Lesan as vice-president and D. W. Henderson, vice-president of the H. E. Lesan Advertising Agency, as a director. This change took place July 1. The new organization will have offices in St. Petersburg, Jacksonville, Tampa, Orlando and Miami, Fla., and will be closely affiliated with the H. E. Lesan Advertising Agency of New York and Chicago, which for some years has handled considerable advertising from Florida and the South. Under the new arrangement this business will be turned over to the Lesan-Carr Advertising Agency, in which the H. E. Lesan Advertising Agency holds a stock interest, but the two organizations are conducted and operated separately. The Tampa office of the H. E. Lesan Advertising Agency will accordingly be taken over by the Lesan-Carr organization. This affiliation is expected to result in much more efficient service by both organizations.

### Hilliard Clutch Announcement.

The Hilliard Clutch & Machinery Co., Elmira, N. Y., formally announce elsewhere in this issue that they want more dealers to know and to sell the Hilliard Clutch, which the company has been manufacturing and marketing for twenty years with success. In many plants this clutch is standard. Further particulars will be found in the advertisement.

### Hoosick Foundries Takes Over Plant.

The Hoosick Foundries, Inc., a new organization, has bought the plant of the Walter A. Wood Mowing & Reaping Machine Co. at Hoosick Falls, N. Y., and will operate the malleable and grey iron foundries and the machine shops. The capital stock consists of 20,000 shares of preferred, par \$10 per share, and 30,000 shares of common, no par. The plant was established as the Hoosick Malleable Iron Works by Isaac G. Johnson in 1880, and for years its name has been recognized as that of a high standard product. The plant is run by water power and with modern equipment its standard is even higher. Henry Burden of Cazenovia, N. Y., is president of the new company; F. H. Fowler, vice-president and general manager; F. H. Fowler, secretary and treasurer; E. K. McLean, Jr., sales manager, and others.

### Ice and Refrigerating Machinery.

The York Manufacturing Company, York, Pa., report having made between June 8 and June 30 throughout the country 262 sales and installations of their ice-making and refrigerating machinery, including 64 at various places in the South, as follows: Atlanta, Ga.; Washington, D. C.; Richmond, Va.; Exmore, Va.; Covington, Ky.; Timmons ville, S. C.; Sulphur Springs, Fla.; Westminster, Md.; Lebanon, Ky.; New Braunfels, Tex.; Chesterfield, S. C.; Cambria, Va.; Sparks, Md.; Sanford, N. C.; New Orleans, La.; Vicksburg, Miss.; Wolfe City, Tex.; Snook, Tex.; Clinton, Okla.; Wellington, Tex.; Vernon, Tex.; Lubbock, Tex.; Gulfport, Miss.; Gatesville, Tex.; Dothan, Ala.; Waycross, Ga.; Bessemer, Ala.; Charleston, W. Va.; Abilene, Tex.; Sweetwater, Tex.; San Antonio, Tex.; Athens, Tenn.; Soperton, Ga.; Lancaster, S. C.; Jacksonville, Fla.; Childress, Tex.; Crescent City, Fla.; Colorado, Tex.; Marlin, Tex.; Killeen, Tex.; Crowley, La.; Marshall, Tex.; Mount Pleasant, Tex.; Grafton, W. Va.; Baltimore, Md.; Fairmont, W. Va.; Princeton, W. Va.;

### Coke Handled With Blaw-Knox Bucket.

The Standard Foundry Co., Buffalo, N. Y., have installed for handling coke to the blast furnace a single-line, clam-shell bucket, with shark-tooth jaws, which was made by the Blaw-Knox Company, Pittsburgh, Pa. Hitherto, men with forks have been employed to handle the coke so as to minimize the amount of "breeze" or small broken coke, which would be either blown out of the furnace without being consumed or else would choke the furnace charge. It is stated that the use of the bucket has resulted in the production of scarcely any "breeze," and that in unloading a car of coke not more than 800 to 1000 pounds of it are found when the bucket is used. When not in use for coke the bucket unloads moulding sand or else limestone, the shark-tooth jaws being thoroughly effective.

### Book Review

A Scrap Book on Constitutional Government. By James J. Mayfield, Atlanta: Foote & Davies Co. 1925. Cloth. Pp. 572. \$5.00.

This is a very interesting volume. The author, who is Code Commissioner of the state of Alabama, at Montgomery, has compiled a comprehensive work that is valuable for both its narrative and its reference features. A letter from Mr. Mayfield notes the fact that he has not yet made an arrangement for putting the book on the market, and the firm name upon the title page is that of the printers and binders. He also says: "A part of the book has been in type for about six years. Owing to some delays in the printing and being engaged in compiling the new Code of Alabama, the work was delayed and I once abandoned the idea of having it published; but the printers and some of my friends connected with the educational department of the state and some of the colleges induced me to have it finished. It is chiefly a compilation, but it has required some time, labor and research to collect the material." Mr. Mayfield begins with Magna Charta and then proceeds in order until he brings his facts down to and including the Constitution and Government of the United States. In the preface he says: "I have not attempted, except on rare occasions, to give my own ideas or words, but only to collect and arrange those of others whom I conceive to be the best authority and who have spoken most to the point and who have used the most forceful language. In so far as practicable I have attempted to give all phases of questions; have quoted from those who differed as to the objects and effects and as to the proper construction and meaning of various provisions of our Constitution." The author is to be congratulated upon the result of his efforts; he has produced a work that is not only entertaining but is always useful for study and reference.

### FIRST MORTGAGE REAL ESTATE BONDS

We finance the erection of apartments, office buildings and other business property, through purchase of first mortgage bond issues, in amounts of \$50,000 to \$200,000. Larger loans for construction and on completed buildings negotiated through our New York connections.

### BRANNAN, BECKHAM & COMPANY

Wynne-Claughton Bldg.

Atlanta, Georgia

### REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

### MARX AND CO.

Brown-Marx Bldg.

Birmingham, Ala.

**TWENTY-  
FOUR  
HUNDRED  
—  
NEW  
ACCOUNTS**

have been added to the Baltimore Commercial Bank in the last three months. The courtesy and accommodation shown those who deal with us is appreciated.

**BALTIMORE  
COMMERCIAL  
BANK**

GWYNN CROWTHER, President  
Pratt Street and Market Place, Baltimore, Md.  
Capital and Surplus \$1,000,000.00 Member Federal Reserve System

**WE** extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

**Electric Bond and  
Share Company**

(Incorporated in 1905)

Paid-up Capital and Surplus, \$70,000,000

71 Broadway

New York

**FOURTH NATIONAL BANK  
MACON, GA.**

In close touch with all of Georgia, offers its aid to those interested in that State.

**RAILROAD, PUBLIC UTILITY  
and INDUSTRIAL BONDS**

*Entire Issues Bought*

**ROGER B. WILLIAMS, Jr. & CO.**

Investments Bonds

67 Wall Street

New York

**MARYLAND TRUST COMPANY**

BALTIMORE

Transacts a General Trust and Banking Business

Correspondence and interviews invited

CAPITAL, \$1,000,000

**WE BUY MUNICIPAL BONDS**

We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

**M. W. ELKINS & CO.**

Southern Trust Bldg.

Little Rock, Ark.

**GEORGE H. BURR & COMPANY  
120 Broadway  
NEW YORK**

Commercial Paper Foreign Exchange  
Investment Securities

Finance Industrial and Public Utility Enterprises through issues of Bonds and Stocks.

Purchase and sell original issues of Municipal Bonds and Tax Anticipation Notes.

*Correspondence invited.*

*Offices:*

Chicago Boston St. Louis Philadelphia  
Hartford Minneapolis

Affiliated with George H. Burr-Conrad & Broom, Inc.  
San Francisco Portland Seattle Los Angeles

**STATE—COUNTY—CITY  
Financing**

**CURTIS & SANGER**

49 Wall Street - NEW YORK

**Municipal Bonds**

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

**A.C. ALLYN AND COMPANY**

67 W. Monroe St., Chicago, Ill.

New York Milwaukee Philadelphia Minneapolis Boston

**We Buy Bonds**

City, County, School and Road from Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO  
CINCINNATI OHIO

**LOANS TO STATES, COUNTIES AND CITIES**

**Municipal Bonds**

**EYER & CO.**

Established 1907

*Correspondence Invited*

46 Cedar Street

New York City

If you want to get **SOUTHERN BUSINESS**

*Advertise in the*

**MANUFACTURERS RECORD**

**YOUNG & SELDEN COMPANY**

MANUFACTURING

**Bank and Commercial Stationers**

BALTIMORE, MD.



*As all of these Bonds have been subscribed for, this advertisement appears only as a matter of record.*

**\$75,000,000**  
**Commonwealth of Australia**  
**External Loan of 1925 Thirty-Year 5% Gold Bonds**

Dated July 15, 1925

Due July 15, 1955

Interest Payable January 15 and July 15

**NOT REDEEMABLE PRIOR TO JULY 15, 1952**

Redeemable, in whole or in part, on July 15, 1952 or on any interest payment date thereafter, on 60 days' notice, at 100% and accrued interest.

Coupon Bonds in denominations of \$1,000 and \$500, not interchangeable.

Principal and interest payable in New York City at the office of J. P. Morgan & Co., in United States gold coin of the present standard of weight and fineness, without deduction for any Australian taxes, present or future.

The following statement in connection with this issue has been prepared from information furnished by the Right Honourable Sir Joseph Cook, P. C., G. C. M. G., the High Commissioner for the Commonwealth of Australia in London:

<b>GENERAL</b>	The Commonwealth of Australia is comparable with the Dominion of Canada in area, resources and importance to the British Empire. This is the first external loan which the Commonwealth has issued outside of the London market, where its securities enjoy the highest credit. Loans of the Commonwealth issued in London constitute a legal investment for Trustees in Great Britain.
<b>PURPOSE OF ISSUE</b>	Through the issuance of this Loan, of a £5,000,000 loan in London, and of a long-term conversion loan to be issued in Australia, the Commonwealth is providing for the refunding of short-term war debt which matures in December 1925.
<b>GOVERNMENT DEBT</b>	The total gross debt of the Commonwealth as of March 31, 1925 amounted to \$2,101,759,763, consisting of \$282,351,498 external debt in the hands of the public (payable in London); \$428,726,995 debt to the British Government (to be amortized by 1956 under a funding agreement of 1921); and \$1,390,681,271 internal debt. The foregoing represents the entire indebtedness of the Commonwealth as it has no guarantees outstanding.
<b>REVENUES AND EXPENDITURES</b>	The ordinary revenues of the Commonwealth in the fiscal year ended June 30, 1925 (partly estimated) amounted to \$334,800,000, and its ordinary expenditures to \$325,200,000, resulting in a surplus of \$9,600,000. These figures do not include expenditures for public works or for certain non-recurrent charges consequent upon the war, amounting to approximately \$40,300,000.
<b>MONETARY SYSTEM</b>	The monetary unit of Australia is the pound sterling, the gold standard having been restored on April 28, 1925, co-incidentally with similar action in Great Britain, by the removal of restrictions on the export of gold. The Commonwealth Bank has the sole power of note-issue and on April 30, 1925 had \$276,856,285 of notes in circulation, against which it held a gold reserve of \$124,979,287, or over 45%.

All figures stated in dollars in the above statement have been converted from pounds sterling at par of exchange.

**THE ABOVE BONDS ARE OFFERED FOR SUBSCRIPTION, SUBJECT TO ISSUE AS PLANNED, AT 99½% AND ACCRUED INTEREST.**

Subscription books will be opened at the office of J. P. Morgan & Co. at 10 o'clock A. M. Monday, July 20, 1925, and will be closed in their discretion. The right is reserved to reject any and all applications, and also, in any case, to award a smaller amount than applied for. The amounts due on allotments will be payable at the office of J. P. Morgan & Co., in New York funds, the date of payment (on or about July 28, 1925) to be stated in the notices of allotment. Temporary Bonds or Interim Receipts will be delivered, pending the preparation and delivery of definitive Bonds.

Application for the listing of the definitive Bonds on the New York Stock Exchange is to be made by the Commonwealth of Australia.

J. P. MORGAN & CO.

FIRST NATIONAL BANK, New York  
 GUARANTY COMPANY OF NEW YORK  
 HARRIS, FORBES & CO.  
 BROWN BROTHERS & CO.

THE NATIONAL CITY COMPANY, New York  
 BANKERS TRUST COMPANY, New York  
 LEE, HIGGINSON & CO.  
 KIDDER, PEABODY & CO.

Dated July 20, 1925



**WASHINGTON-DUKE  
HOTEL**

Durham, N. C.

This magnificent 15-story structure located in the heart of the city of Durham was financed with the aid of Adair Protected Bonds issued by the Adair Realty & Trust Company.

## Let Us Help You Carry Out Your Building Plans

*Construction loans from \$250,000 up  
available on Sound Security*

**W**E offer a complete financing service to property owners who wish to improve their property by the erection of income-producing structures, which will constitute sound security for first mortgage loans.

In addition to assisting you in financing the building, we will place at your disposal the knowledge gained from 60 years' experience in the real estate and renting field.

Loans from \$250,000 up are preferred.

Architects and Contractors should obtain full information about the Adair Plan of Financing.

Write today for full information. Please address correspondence to Mortgage Bond Department.

### **Adair Realty & Trust Company**

*The South's Oldest Mortgage Investment House*

Founded 1865

**ATLANTA**

Dept. MR-18





PERSHING POINT APARTMENT HOTEL  
Atlanta, Ga.

## Consult Us About Your Construction Financing

We are now in the market for mortgage bond issues secured by new construction and welcome applications in amounts from \$250,000 to \$1,000,000 or more.

Our service covers not only financing, but the personal attention of our Engineering Department, the personnel of which includes men of wide experience, whose suggestions often result in substantial savings to the property owner.

An inquiry will receive prompt consideration. We will be glad to send you a booklet explaining the "Miller Plan of Financing", together with letters from architects and builders for whom we have negotiated satisfactory mortgage bond issues.

**G. L. MILLER & CO.**  
INCORPORATED

Northern Headquarters: 30 E. 42nd St., New York  
Southern Headquarters: Hurt Building, Atlanta, Ga.



# The 10<sup>th</sup> Big Chemical Industries Exposition

## Are You Interested in developing the Natural Resources of your locality?

IF so, by all means take advantage of this huge industrial exposition. The Chemical Industries Exposition makes it possible to present in an intelligent interesting manner to the Industrial World and to the public, your products and raw materials.

It creates new markets, new channels of distribution. It brings together separate chemical enterprises and welds them into self-contained groups for their greater profit and development. It helps to increase efficiency, speed up production, improve products and lessen costs for those industries based upon or under chemical control.

For these reasons it has been possible for the Chemical Industries Exposition to contribute greatly in the development of the natural resources of the country—particularly the South.

In the coming exposition, a Southern section will have an interesting exhibition of the industrial products and raw materials of the South. Several Southern exhibits are now being prepared by Railroads, industrial organizations, companies, etc. States, Rail-

roads, Power Companies, Chambers of Commerce and others interested in developing industrial opportunities should write at once for space, details, etc. A limited space *only* remains. Write to



Tenth Exposition  
of Chemical  
Industries  
Grand Central  
Palace

at New York  
Sept. 28 to Oct. 3  
Grand Central Palace

## *The Greatest Book Ever Published On the South*

668 Pages

Many Illustrations

# "THE SOUTH'S DEVELOPMENT"

The story of what the South is, what it has accomplished and what it offers for future development has never before been told in such complete manner—not only through articles by men of authority but also by facts, statistics and numerous illustrations.

Here is a book that should be in every business office, every library and every home in the South.

It affords a ready and authoritative reference on practically every branch of Southern activity.

It tells the story of the old South; it relates the trials and struggles of the South to re-establish itself after 1865 and through reconstruction days and it records the truly amazing progress which the South has made in every branch of endeavor.

No man, woman or child can read this story of the South's glorious achievements without being filled with pride of accomplishment and thrilled with enthusiastic determination to help carry forward this development to still greater heights.

Only a limited number of copies of this book are available for sale. Price \$2.00 each.

*To be sure of a copy order promptly on form below*

**MANUFACTURERS RECORD**  
BALTIMORE - - - - - MARYLAND

MANUFACTURERS RECORD PUBLISHING CO.,  
BALTIMORE, MD.

Enclosed find \$.....for which send, postage prepaid,.....copies of

"THE SOUTH'S DEVELOPMENT"

A Glimpse of the Past

The Facts of the Present

A Forecast of the Future

Name .....

Date .....City .....State .....



## WE WANT MORE DEALERS

*to Know and to Sell*

# THE HILLIARD CLUTCH

For twenty years we've been making and selling the Hilliard Clutch, and they're standard with a lot of firms, built into their machines, for all sorts of work — Tractors, Pumps, Paper Machinery, Foundry Mills, Lathes, Wire Machinery—endless different things. And in factories—over 700 one place, 240 another, scores in groups of 100, 40, 30, 20—and so on.

They're as good as we know how to make, and we'll prove they *are* good Clutches in any way you say.

**HILLIARD CLUTCH & MACHINERY CO.**

**Elmira, N. Y.**

## BELT DRESSINGS

The life of a leather belt depends upon the good judgment with which it is selected, and the care it receives. Abuse and neglect are the principal enemies, and where these are eliminated a long life may be expected.

### DIXON'S SOLID BELT DRESSING

Recommended for quick action, as it may be applied without stopping the machinery. It may be safely used on leather, rubber or fabric belts without clogging, hardening or cracking the belt even after years of use. If applied sparingly at intervals it will preserve the belt and prevent the loss of power through slipping.

To apply, simply tear away a small portion of the paper cover to expose one end of stick. Hold this against the pulley side of the moving belt; use only a little at a time.

### DIXON'S PASTE DRESSING

Dixon's Traction Belt Dressing is for leather belting only. It penetrates the fibre and restores the vitality. It is especially valuable on belts exposed to spattering water, steam, dust and chemicals.

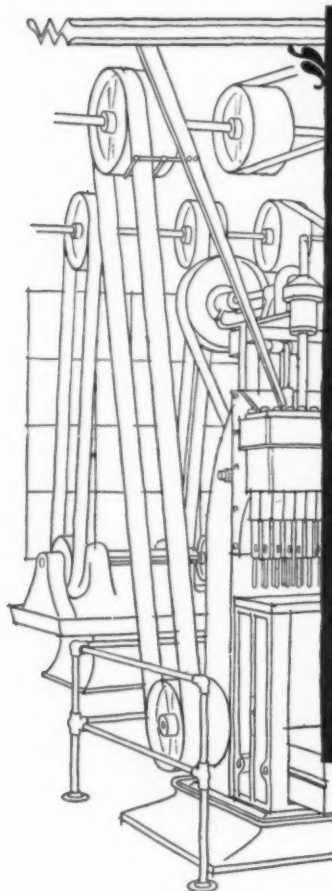
Also excellent for manila transmission rope.

*Write for Sample 80-O*

**JOSEPH DIXON CRUCIBLE COMPANY**

Jersey City, N. J.

Established 1827



**Architect to owner:**

*"Why am I going to put a Barrett Specification Roof on your building? I want you to have a roof that you'll never hear from after it's laid."*

## Get the roof off your mind— *definitely and permanently!*

Throughout the centuries the architect's ideal has been permanence. Today, as in the past, he builds for future generations as well as his own.

When it is a question of roofs, architects and business men link permanence with Barrett. For 67 years the two words have been inseparable in the building world.

Barrett permanence means a roof that won't talk back. No leaks to be patched, no maintenance or repair expense. When the roof is built according to The Barrett Specification under the careful supervision of the Barrett Inspector, the owner is handed a Surety Bond guaranteeing him against repair expense for 20 years.

Twenty years—that strikes you as a long and liberal guarantee period. But we can point to many roofs of this type built 35 and 40 years ago that are still in excellent condition.

The Barrett Specification Roof is but one of a wide line of Barrett built-up roofs.\*

Whether you want a roof constructed according to The Barrett Specification or according to your own specification—

Whether your building is new or old—

The experience of well-known architects, engineers and contractors has proved that it pays to see that the materials used in any built-up roof bear the Barrett Label.

\*Important! The Surety Bond is issued only on Barrett Specification Roofs which have been inspected by us during application. The Surety Bond Guaranty is the owner's assurance that his building is protected by a genuine Barrett Specification Roof.

# Barrett

## ROOFINGS

THE BARRETT COMPANY  
40 Rector Street New York City

IN CANADA:  
The Barrett Company, Limited  
2021 St. Hubert Street, Montreal, Quebec, Canada



## Some One Needed to Lead Cotton Growers Into the Promised Land.

W. B. YEARY, Dallas, Tex.

I notice an editorial in the MANUFACTURERS RECORD of June 4, headed "Trying to Make Rubber Pay the British Debt to the United States." The article states that the price of rubber has been advanced from the low price of 17 cents per pound in 1924 to 60 to 70 cents for 1925, and that England controls the bulk of the raw rubber supply and the United States consumes about 70 per cent of the total output. This looks very much as though England has an eye to business—that it is a business nation. But what about the United States, or rather what about the South?

The South has produced about the same proportion of the world's supply of cotton during all of the past and England has consumed about the same proportion of our output. We have been foolish enough to let her have it at about two-thirds of the average cost of production, which has been one of the greatest factors it has enjoyed in making it the financial mistress of the world and reducing the Southern cotton producers to "economic slavery."

But why should we kick about England doing what we ought to have done 50 years ago? Yes; what we ought to do now without delay—not as a retaliation for what England has done but for self-respect and the relief and respect of our millions of "economic slaves," the truest, most honest and purest-blooded Caucasians in the world, our cotton farmers and their business associates.

The article states that "we ought to reduce our output of cotton so that England will have to pay what it is worth." We have not produced as much cotton as the world needs in four years, still the price has been around \$40 per bale less than the average cost of production. How much longer will we listen to the gambler in the price of cotton and follow his dictation of "reducing the supply to get the value of cotton"? England's colonies have produced all of the rubber the world needs, but she has taken supervision over the price

of it. She has not listened to the speculators in it and worked to their interest, but to that of England. Our big men, bankers and editors alike, have too often listened to the gamblers in cotton and followed their advice, in place of mapping out a business course for making the price of cotton and following it. I do not know whether they are financially hooked up with the gamblers or not, or whether they have no business judgment further than that of running their own private business, leaving the welfare of the most important industry in the world, cotton production, to the tender mercies of the gamblers.

Men who have given our cotton production 25 years of work and study hand you herewith their findings. The past proves their stand to be correct. Why listen to those who do not want it done? Why follow the enemy? You are eligible for membership if you believe "those who produce cotton and those who aid in its production should determine the price of it." A Washington, a Jefferson or a Lincoln will be found somewhere in the South who will use some common sense and backbone and lead us to economic freedom. At least, let us hope we have some such blood left or handed down from our forefathers and that it will get warmed up before it is too late.

## Texarkana Will Vote on \$600,000 Bonds.

Texarkana, Ark.-Texas.—City Council of the Texas side of Texarkana has called an election for August 12 on a bond issue of \$600,000 for additional paving. Plans of the administration officials contemplate the sale of \$250,000 of the proposed bonds at once and the remainder over a period of several years. Proceeds will be used to pave approximately 14 miles of streets.

The Alabama Power Co., Birmingham, has completed a 70-mile, 110,000-volt transmission line from Sheffield to Huntsville at a cost of \$1,000,000.



# PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 4, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. August 4, 1925, and then opened, for furnishing and installing metal doors in Oil Circuit Breaker Building at Wilson Dam. Further information on application.

Bids close August 5, 1925.

U. S. ENGINEER OFFICE, Baltimore, Md. Sealed proposals will be received here until 1 P. M., Eastern Standard Time, August 5, 1925, and then opened, for dredging in Baltimore Harbor and Channels, Maryland. Further information on application.

Bids close August 17, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 16, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. August 17, 1925, for extension to quarters of Asst. Surgeon, including incidental changes in the mechanical equipment of the United States Marine Hospital at Memphis, Tenn. Drawings and specifications may be obtained from the Medical Officer in Charge of the Station or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

RATE: 35 cents per line per insertion. PUBLICATION DAY: Thursday. FORMS CLOSE: 4 P. M. Monday. DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD: Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close August 17, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 16, 1925. SEALED PROPOSALS will be opened in this office at 2 P. M. August 17, 1925, for enclosing verandas and exterior painting, including incidental changes in the mechanical equipment of the United States Postoffice at St. Augustine, Fla. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 4, 1925.

TREASURY DEPARTMENT, Supervising Architect's office, Washington, D. C., July 15, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. August 4, 1925, for removing the present boiler, etc., and furnishing and installing one new horizontal smokeless fire-box heating boiler, arranged for portable setting, etc., at the United States Postoffice, Kirksville, Mo. Drawings and specifications may be obtained from the Custodian U. S. Postoffice, Kirksville, Mo., or from this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 12, 1925.

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 14, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M., August 12, 1925, for the construction, including mechanical equipment, lighting fixtures and incidental approach work, of a one-story non-fireproof building about 43' x 44' 6" ground area for Nurses' Quarters, and for raising, underpinning, altering and repairing the present Hospital Building, at the United States Quarantine Station, New Orleans, La. Drawings and specifications may be obtained from the District Engineer, U. S. Custom House, New Orleans, La., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 1, 1925.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. August 1, 1925, and then opened, for the sale of one 48-inch gyratory rock crusher at Wilson Dam. Further information on application.

Bids close July 29, 1925.

### \$55,000 6% Improvement Bonds

Opelika, Ala.

Notice is hereby given that the City of Opelika, Alabama, will receive sealed bids up until 8 o'clock P. M. July 29, 1925, at the City Hall on an issue of \$55,000 Improvement Bonds of Opelika, Alabama, same to bear date of August 1, 1925, to mature July 31, 1935, said bonds to be redeemable at the option of said city at one hundred one and one-half (101½), in numerical order, at any interest period in installments of not more than one-tenth of said bonds annually, to bear interest at the rate of six per cent per annum. Principal and semi-annual interest to be payable at the Hanover National Bank, New York city, and to be in \$1000 denominations. Said bonds will be sold for cash, and all bidders are required to file with their bids a certified check for two (2%) per cent of the amount of bonds bid for.

Said bonds will be sold subject to approval of transcript by Storey, Thorndike, Palmer & Dodge, Attorneys, 235 Exchange Building, Boston, Massachusetts. The right is reserved to reject any and all bids.

HENRY K. DICKINSON, Mayor.

ATTEST:  
W. S. HARRIS, City Clerk.

Bids close August 24, 1925.

### \$37,000 5% Public Improvement Bonds

Live Oak, Fla.

Notice is hereby given that the undersigned Bond Trustees of the City of Live Oak, Suwanee county, Florida, will receive sealed bids after thirty days from July 16th, 1925, and prior to August 24th, 1925, at 10 o'clock A. M., at the City Hall in the City of Live Oak, Florida, for seventy-four (74) Public Improvement Bonds of the City of Live Oak, Florida, in denominations of \$500.00 each, bearing date of July 1st, 1925, and maturing thirty years from date, and drawing interest at the rate of five per cent per annum from date, and payable semi-annually, on January 1st and July 1st, respectively. Said bids shall be opened at 10 o'clock A. M., August 24th, 1925, at the City Hall in the City of Live Oak, Florida. Bids will be received for all, or any portion of said bonds, and each bid must be accompanied by a cashier's check, or a certified check in an amount equal to twenty per cent of the amount of such bid. No bid will be received or considered in an amount under ninety-five per cent of the face value of any bond or bonds. The Bond Trustees reserve the right to reject any and all bids.

E. S. CONNER,  
J. W. WEST,  
W. C. WHITE,  
Trustees.

Bids close August 3, 1925.

### \$120,000 6% Time Warrants

Notice is hereby given that the Board of Public Instruction of Hamilton County, Florida, will receive bids up to 10 o'clock A. M. Monday, August 3, 1925, for interest-bearing time warrants in the sum of eighty thousand dollars on Special Tax School District Number (1) one, known as Jasper School District, and in the sum of forty thousand dollars for Special Tax School District Number (3) three, known as Jennings District; warrants in denominations of One Thousand Dollars each, warrants bearing interest at the rate of six per cent per annum, interest coupons payable semi-annually. Warrants run from three (3) to thirty (30) years; warrants issued under an Act of Legislature and validated by Act of the Legislature.

All bids must be accompanied by a cashier's check for ten per cent of the amount of bid. Bids may be for all or any part of said warrants. The Board reserves the right to reject any or all bids.

W. W. BRADSHAW,  
Secretary Board of Public Instruction,  
Jasper, Florida.

Bids close August 3, 1925.

### \$40,000 6% Road Bonds

Ridgeland, S. C.

Notice is hereby given that the Jasper County Roads Commission will receive bids at the office of H. Klugh Purdy, Ridgeland, S. C., until 12 o'clock noon on August 3, 1925, for \$40,000 Jasper County road bonds. Dated April 1, 1925; mature \$2000 each year, commencing April 1, 1927, six per cent interest. A certified check for \$1000, payable to M. F. Gray, Chairman, must accompany each bid. Commission reserves right to reject any and all bids.

M. F. GRAY, Chairman.

Dated July 7, 1925.

Bids close August 18, 1925.

### Notice of Sale of Time Warrants of City of Okeechobee, Fla.

NOTICE IS HEREBY GIVEN That the City Council of City of Okeechobee, Florida, will receive sealed bids for the purchase of City of Okeechobee Municipal Improvement Time Warrants, Issue of 1925, at the office of the City Clerk of the City of Okeechobee, Okeechobee County, State of Florida, until 2 o'clock P. M. August 18, A. D. 1925.

The Time Warrants to be sold on this date shall be in denominations of One Thousand Dollars (\$1000) each and shall bear interest payable semi-annually at the rate of six per centum per annum, both principal and interest payable at the Bank of Okeechobee, Okeechobee, Florida, or at the American Exchange National Bank, New York City, N. Y., at the option of the holder. Said time warrants to be dated August first, A. D. 1925, interest payable on the First day of August and the First day of February of each and every year after date of issuance until maturity of said time warrants. The principal shall be payable Ten Thousand Dollars (\$10,000) on the First day of August, A. D. 1945, and Ten Thousand Dollars (\$10,000) on the First day of August of each and every year thereafter up to and including the First day of August, A. D. 1949.

The City Council reserves the right to reject any and all bids and readvertise the time warrants, or to reject all sealed bids and continue the sale by auction; or in case no satisfactory bid is received from either the sealed bids or the auction, to sell said time warrants at private sale, but any private sale shall not be made unless the amount paid thereat shall exceed the highest sealed bid as aforesaid, or any auction bid, and must be made within ten days after the advertised date of sale aforesaid.

All bids shall be accompanied by a cashier's check or a certified check without conditions for the sum of Five Hundred Dollars (\$500), made payable to H. H. DeYarman, President of the City Council of the City of Okeechobee, Florida. The Time Warrants will be ready for immediate delivery, and must be paid for within five days after date of sale.

All bids must be addressed and delivered to the City Clerk of City of Okeechobee, Florida, on or before the hour of sale named above, at which time all bids submitted will be opened and considered.

The Time Warrants to be sold pursuant to this notice are made negotiable by statute. The City Council will furnish, free of charge, to the purchaser the approving legal opinion of Caldwell & Raymond, and a transcript of the proceedings authorizing the issuance of the Time Warrants.

H. H. DEYARMAN,  
President of City Council of City of  
Okeechobee, Florida.

Attest:  
R. P. FLETCHER,  
City Clerk of City of Okeechobee, Fla.  
(Corporate Seal.)

Bids close August 5, 1925.

### Bridge Construction

Biloxi, Miss.

Sealed proposals addressed to the Board of Supervisors of Harrison County, Mississippi, for the construction of reinforced concrete bridge and steel draw open, and the approaches thereto across the Bay of Biloxi at the City of Biloxi, Mississippi, to be known as the Back Bay Bridge, will be received by the Board of Supervisors of Harrison County, Mississippi, until 10 A. M. of Wednesday, the 5th day of August, 1925, and not thereafter and at that time, at the office of the County Supervisors in the County Court House in the City of Gulfport, Mississippi, will be publicly opened and

read. Said proposals shall be endorsed "Proposal for Construction of Back Bay Bridge."

Plans, specifications, general provisions and form of proposal, bond and contract for this work are on file in the office of the Chancery Clerk of Harrison County, Mississippi, Court House, Gulfport, Mississippi, and may there be seen.

Copies of plans and specifications may be obtained from Hedrick, Smith and Frost, Consulting Engineers, Box 407, Pass Christian, Mississippi, upon written application therefor.

All proposals must be made upon blank forms attached to the specifications. Each bid must be presented under sealed cover, endorsed as above provided, and filed with the Chancery Clerk of Harrison County, Mississippi, and shall be accompanied by a certified check, issued by a solvent Bank in Harrison County, Mississippi, and made payable to E. J. Adam, President of the Board of Supervisors, for an amount equal to ten (10) per cent of the amount of the bid, and no bid shall be considered unless such check is enclosed therewith. Such certified check shall be delivered upon the condition that if such bid be accepted, the party bidding will promptly enter into and execute a contract and bond in accordance with the award. Should the successful bidder to whom the contract is awarded fail to execute the same within ten days, not including Sunday, from the date of notification of such award, such check shall be forfeited to Harrison County as liquidated damage, and the same shall become the property of the said County. All other certified checks will be returned to the unsuccessful bidders who submitted the same. The sealed covers containing bids must have the name and address of the bidder on the outside.

A good and sufficient surety company bond will be required for the faithful performance of the construction contract in a sum equal to the full amount of the contract price. Such bond shall be approved by the Board of Supervisors.

All contracts for work to be done shall be in writing, executed by the contractor and the Board of Supervisors in triplicate. The Supervisors reserve the right to reject any or all proposals.

BOARD OF SUPERVISORS, HARRISON  
COUNTY, MISSISSIPPI.

By E. J. ADAM, Sr., President.  
EUSTIS McMANUS, Clerk.

Bids close August 10, 1925.

### Earth Fills and Bridges

Sanford, Fla.

Sealed proposals will be received by the Board of County Commissioners of Seminole County, Florida, at their office in the Court House at Sanford, Florida, on or before 2 o'clock P. M. August 10th, 1925, for the following:

Construction of earth fills at the following points:

1. Along the South Shore of Lake Monroe from Lake Monroe Highway bridge easterly 1½ miles, 260,000 cu. yds.

2. Approach to Draw Bridge over St. Johns River at East end of Celery Avenue. 18,700 cu. yds.

3. On Geneva Road across St. Johns River flats. 81,300 cu. yds. Construction of 3 creosoted trestle bridges totaling approximately 400 feet in length and the erection of protection fenders for old Draw Bridge.

Each proposal must be accompanied by a certified check, made payable at sight, for 3% of the amount of their bid, to V. E. Douglass, Clerk of the Board.

The successful bidder or bidders will be required to give a bond equal to 50% of his or their bid, and such bond to be executed by a surety company licensed to do business in the State of Florida, said bond to be approved by the Board.

Plans and specifications may be seen at the office of the Board or at the office of Fred T. Williams, Engineer, after July 25, 1925. Plans and specifications can be secured from Fred T. Williams after July 25th, on deposit of \$10.00, which will be returned if a bid is made.

The Board of County Commissioners reserve the right to reject any or all bids, or accept any bid they deem to be for the best interest of the county.

V. E. DOUGLASS,  
Clerk Board of County Commissioners,  
Seminole County, Florida.



Bids close August 3, 1925.

**Road Construction**

Fayetteville, W. Va.

Sealed proposals will be received by the County Court of Fayette County, W. Va., at the Courthouse in Fayetteville until 10 o'clock A. M. on the third day of August, 1925, and opened and read immediately thereafter, for the construction of the following county district road.

Project S. Mt. 52—4 miles of the Cliff-top Danese road for grading, draining and paving with bituminous Macadam. Certified check \$5000.

Proposals will be received only upon standard forms, in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the County Road Engineer at Fayetteville, W. Va.

Each proposal must be accompanied by a certified check in the amount specified.

The right is reserved to reject any and all proposals.

THE COUNTY COURT OF FAYETTE COUNTY,

By THOMAS BOONE, Clerk.

Bids close July 28, 1925.

**Highway Construction**

DEPARTMENT OF PUBLIC WORKS,  
STATE OF MARYLAND,  
STATE ROADS COMMISSION.  
NOTICE TO CONTRACTORS.

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway as follows:

Montgomery County, Cont. M-57—One section of State Highway from Laytons-ville toward Woodfield for a distance of 2.0 miles. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 28th day of July, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 16th day of July, 1925.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close August 15, 1925.

**Road Improvements**

De Land, Fla.

Sealed proposals will be received by the Board of County Commissioners of Volusia County, Florida, at the office of the Clerk of the Circuit Court of Volusia County, De Land, Florida, until 10 o'clock A. M. on the 15th day of August, 1925, for the furnishing of materials and construction of approximately 190,000 Square Yards of Brick, Concrete or Bituminous Pavement; 41,000 Cubic Yards of Excavation; 26,000 Cubic Yards Fill; 19 Reinforced Concrete Culverts; wood bulkhead and appurtenances, situated in that part of Volusia County known as the "DE LAND AND LAKE HELEN SPECIAL ROAD AND BRIDGE DISTRICT."

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the Engineer, New Smyrna, Florida. Copies of the specifications may be obtained at the above place upon receipt of deposit of Five Dollars, which will be returned on bona fide bid. Copies of the plans may be obtained on the payment of Twenty-Five Dollars.

Each bidder must accompany bid with a certified check or bidder's bond for an amount not less than five per cent of the amount bid, drawn to the order of W. P. Wilkinson, Chairman of the Board of County Commissioners of Volusia County.

The right is reserved to reject any or all bids in whole or in part.

W. P. WILKINSON,

Chairman of Board of County

Commissioners.

SAM'L D. JORDON, Clerk of Court.  
(SEAL)  
N. A. HOTARD, Engineer.

Bids close August 4, 1925.

**Road Construction**

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its office in Charleston, West Virginia, until 10 o'clock A. M. on the 4th day of August, 1925, and said proposals will be opened and read immediately thereafter at the Kanawha County Courthouse, Charleston, W. Va., for the construction of the following sections of State Road:

Projects 74 and part of 1128 or 148-A, Kanawha County—4.86 miles of the Charleston-Clendenin Road for paving with Bituminous Macadam, Asphaltic Concrete, Rock Asphalt or Cement Concrete. Certified check \$5600.

Projects balance of 1128 or 148-B and part of 3206 or 148-C, Kanawha County—4.48 miles of the Charleston-Clendenin Road for paving with Bituminous Macadam, Asphaltic Concrete, Rock Asphalt or Cement Concrete. Certified check \$5500.

Project part of 3206 or 148-D, Kanawha County—4.44 miles of the Charleston-Clendenin Road for paving with Bituminous Macadam, Asphaltic Concrete, Rock Asphalt or Cement Concrete. Certified check \$5500.

Project balance of 3206 or 148-E and part of 3231, Kanawha County—4.00 miles of the Charleston-Clendenin Road for paving with Bituminous Macadam, Asphaltic Concrete, Rock Asphalt or Cement Concrete. Certified check \$5000.

(Note—The right is reserved to award the four above contracts separately or as a whole. Bids are requested for completion July 1, 1926, or November 1, 1926, using separate proposals.)

Project 3288, Logan County—5.5 miles of the Peck Mills-Chapmanville Road for grading and draining. Certified check \$4500.

Project 3264, Logan County—2.2 miles of the Ethel-Hetzel Road for grading, draining and graveling. Certified check \$2000.

Project 3077, Brooke County—2.00 miles through Beech Bottom for cement concrete paving. Certified check \$3000.

Project 2067, Ohio County—1.00 mile of the River Road north of Warwood for paving with cement concrete. Certified check \$1600.

Project 2063, Ohio County—Reconstruction of east side Fulton Hill for paving with brick. Certified check \$2500.

Project 3009-B and part of 3067, Wirt County—8.00 miles of the Elizabeth-Spencer Road for paving with cement concrete. Certified check \$8000.

Project balance of 3067 and part of 3125, Wirt and Roane Counties—7.5 miles of the Elizabeth-Spencer Road for paving with cement concrete. Certified check \$8000.

Project balance of 3125 and 3069, Roane County—8.0 miles of the Elizabeth-Spencer Road for paving with cement concrete. Certified check \$8000.

(Note—The right is reserved to award the three above contracts separately or as a whole. Bids are requested for completion July 1, 1926, or November 1, 1926, using separate proposals.)

Project 3168-B or 148-F, Roane County—11.00 miles of the Spencer-Walton-Clendenin Road for paving with Bituminous Macadam, Asphaltic Concrete or Rock Asphalt. Certified check \$14,000.

(Note—Bids are requested for completion July 1, 1926, or November 1, 1926, using separate proposals.)

Project 2121, Harrison County—5.00 miles of the Northwestern Turnpike between Clarksburg and Bridgeport for reconstruction with Bituminous Macadam. Certified check \$5400.

Project 3272 or 146-B, Preston County—5.64 miles of the Reedsville-Monongalia County Line Road for paving with Cement Concrete. Certified check \$6600.

**SURFACE TREATMENTS.**

Project 3040, Fayette County—6.8 miles for surface treatment with Cold Tar Application. Certified check \$500.

Project 77, Greenbrier County—14.5 miles for surface treatment with Cold Tar Application. Certified check \$500.

Project 116, Kanawha County—7.4 miles for surface treatment with Cold Tar Application. Certified check \$500.

Project 3046, Monroe County—4.6 miles for surface treatment with Cold Tar Application. Certified check \$500.

Projects 87, 2037 and 2038, Mason County—10.3 miles for surface treatment with Cold Tar Application. Certified check \$500.

Projects 2044, 3060-A, 3008, 2049 and 1085, Mercer and McDowell Counties—10.6 miles for surface treatment with Cold Tar Application, to be let in one contract. Certified check \$500.

Proposals will be received only upon State Standard forms in accordance with plans,

specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, West Virginia.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any or all proposals.

STATE ROAD COMMISSION OF WEST VIRGINIA.  
E. B. CARSKADON, Secretary.

Bids close August 6, 1925.

**Street Improvements**

Palmetto, Fla.

Sealed proposals on blank forms furnished by the City of Palmetto, Florida, and addressed to W. B. Kirby, Commissioner of Public Works, Palmetto, Florida, will be received until 12 o'clock noon Thursday, August 6, 1925, at the City Clerk's office of said city, for furnishing all materials, equipment and labor and performing the following work: GRADING, DRAINING, PAVING, CONSTRUCTING CULVERTS, STORM DRAINAGE, LAYING SEWER PIPES AND WATER PIPES, AND OTHERWISE IMPROVING A NUMBER OF STREETS IN THE CITY OF PALMETTO.

Bids may be for the whole or separate bids on each of the following classes, to wit: STORM SEWERS, SANITARY SEWERS, ALTERING OPEN DRAINS, STREET PAVING AND CURBING, WITH THE NECESSARY EXCAVATION AND GRADING IN EACH CASE.

Copies of the plans and specifications may be seen at the City Clerk's office or at the Resident Engineer's office, Palmetto, Florida, or a set will be sent to any address upon receipt of \$10.00.

W. B. KIRBY,  
Commissioner of Public Works.  
KIRBY & WEBB, Civil Engineers.

Bids close July 28, 1925.

**Street Improvements**

Sebring, Fla.

Sealed proposals will be received by the Mayor and Town Council of the Town of Sebring, Florida, at the Town Hall in Sebring, Florida, until One o'clock P. M. on the 28th day of July, 1925, and then opened and read in public, for furnishing all labor, materials, equipment and other things necessary for the construction of street paving and necessary appurtenances thereto.

The work will consist of the following approximate quantities:

17.0 Acres Clearing and Grubbing.  
92,000 Cu. Yds. Excavation.  
67,450 Lin. Ft. Concrete Curb and Gutter.  
4200 Lin. Ft. 6 inches x 18 inches curb.  
74,460 Sq. Yds. 6 inches Base, Ocala Limestone, Crystal River or Bartow Clay.  
74,460 Sq. Yds. 2 inches Sheet asphalt, or Bituminous Concrete Topeka Type.  
63 Catch Basins.  
2800 Lin. Ft. 15 inches D. S. V. or Concrete pipe.  
4550 Lin. Ft. 18 D. S. V. or Concrete pipe.  
2450 Lin. Ft. 24 D. S. V. or Concrete pipe.  
1600 Lin. Ft. 30 D. S. V. or Concrete pipe.

Proposals must be submitted on regular forms accompanying the specifications, and must be accompanied by a certified check or bidding bond for the amount of not less than five per cent of the amount bid drawn to the order of the Town of Sebring. Plans and specifications on file in the office of the Town Clerk may be examined there by prospective bidders. Copies of specifications and proposals blanks may be had from the Engineer by remitting five dollars. Copies of plans may be had upon application to the Engineer for twenty-five dollars per set. Consideration will be given bidders' experience in this class of work, financial standing, and reputation for having done successful work without controversy or litigation, and the Council reserves the right to reject any or all proposals or to accept or reject any part thereof or to waive technicalities as they may deem best for the interest of the Town.

A. E. LAWRENCE, Mayor,  
A. M. WOLFE, Clerk.  
JOE W. HAWKINS, Engineer.

Bids close July 27, 1925.

**Street Improvement**

Clearwater, Fla.

Sealed bids will be received at the City Hall, Clearwater, Florida, until 7.30 P. M. July 27th, 1925, for furnishing and constructing street improvements in the said city.

Following are approximate quantities:  
226,925 sq. yds. Florida Lime Rock base.  
226,925 sq. yds. Paving.  
210,000 cu. yds. Excavation.  
142,000 lin. ft. combined curb and gutter.  
100 Storm Inlets.

Bids will be received on the following types of paving:

Vitrified Brick.  
Asphalt Block.  
Portland Cement Concrete.  
Bituminous Concrete.  
Bituminous Macadam.

Each bid must be accompanied by a certified check for \$10,000.00, payable to the City of Clearwater, to insure making bond and entering contract.

The right is reserved to reject any and all bids and to increase or decrease any of the quantities specified.

Specifications are on file at the office of the City Manager, and may be obtained upon payment of \$5.00, which will be returned to bona fide bidders.

CHAS. F. MASON,  
City Manager.

Bids close August 11, 1925.

**City Hall, Paving, Sewers, Water-Works**

Arcadia, Fla.

Sealed bids on blank forms furnished by City and addressed to the President of the City Council, Arcadia, Florida, will be received until 2 o'clock P. M. on August 11, 1925, for supplying materials, equipment, labor, etc., and for constructing streets, drains, sanitary sewers, water works improvements and city hall in said city.

The contemplated construction program embraces the following approximate quantities:

87,900—Cubic yards excavation.  
175,818—Square yards Florida lime-rock base, bids to embrace 4, 5, 6 and 7 inch compacted base.  
175,818—Square yards two-course surface treatment using slag.  
135,766—Lineal feet curb and gutter.  
18,685—Lineal feet flush curb.  
2,347—Lineal feet header.  
32,375—Lineal feet storm drains, 15 to 48 inch.  
284—Catch basins.  
60—Manholes.  
64,410—Lineal feet sanitary sewers 8 to 21 inch, using clay or concrete and soil pipe, together with necessary accessories.  
1—Duplicate set sewer pumps and station.  
1—Tower and tank.  
1—Deep well.  
48,392—Lineal feet cast-iron pipe 4 to 8 inch, together with hydrants, house connections and accessories.  
1—City Hall.

Bids will be received on other types of pavement other than that specified, but the bidder should file a copy of the specifications upon which he proposes to bid with the City Recorder at least three days before the letting.

Each bid will be considered with reference both to the entire work and to each specified separate section bid upon, and a contract or contracts may be awarded accordingly.

Each bid should be accompanied by a certified check in the sum of \$5000 for street improvements, \$5000 for storm drains, \$5000 for sanitary sewers, \$2000 for water works and \$3000 for City Hall, payable to the order of the President of the City Council of Arcadia, Florida, to insure bond and entering into contract.

The right is reserved to reject any or all bids, and to increase or decrease any of the quantities specified.

Plans and specifications may be seen at the office of the City Recorder or Engineers, or specifications may be obtained by the payment of \$5.00, to be returned to bona fide bidders.

D. G. BARNETT,  
President City Council.  
V. O. FUSSELL, City Recorder.  
J. B. McCRARY ENGINEERING  
CORPORATION, Engineers,  
Atlanta, Georgia.

Bids close July 31, 1925.

**Trunk Sewer**

Chattanooga, Tenn.

Sealed proposals, directed to the undersigned, will be received at the office of the Commissioner of the Department of Streets and Sewers, at the City Hall, Chattanooga, Tenn., until 11 o'clock A. M. July 31, 1925, for the construction of the trunk sewer for the proposed sanitary sewerage system for the Twelfth Ward of the City. The following are approximate quantities of the principal items of work:

4,046 Lin. Ft. 30-inch Reinforced Concrete Pipe.  
5,368 Lin. Ft. 27-inch Reinforced Concrete Pipe.  
2,340 Lin. Ft. 24-inch Reinforced Concrete Pipe.  
1,256 Lin. Ft. 21-inch Plain Concrete or Vitrified Pipe.  
1,350 Lin. Ft. 18-inch Plain Concrete or Vitrified Pipe.  
2,281 Lin. Ft. 15-inch Plain Concrete or Vitrified Pipe.  
434 Lin. Ft. 30-inch Cast-Iron Pipe in open cut.  
306 Lin. Ft. 30-inch Cast-Iron Pipe in tunnel.  
171 Lin. Ft. 30-inch Cast-Iron Pipe in piers.  
6,346 Cu. Yds. Rock Excavation, open cut.  
31,500 Cu. Yds. Earth Excavation, open cut.  
17,000 Hrs. Common Labor.  
35 Manholes.

Plans and specifications, blank form for proposal, contract and bond will be furnished after the 19th inst. to prospective bidders, the applicant first depositing the sum of \$25.00, which amount will be refunded on the submission by each applicant of a bona fide bid. Plans and specifications may be seen at the office of the City Engineer after the date mentioned.

Each bid must be accompanied by a certified check, payable to F. K. Rosamond, City Treasurer, for \$2000. The successful bidder shall execute a satisfactory corporate bond for one-half the estimated amount of the contract. The right is reserved to reject any or all bids.

E. D. BASS,  
Commissioner Department Streets & Sewers.

Bids close August 1, 1925.

**Extension of Sanitary Sewerage**

Culpeper, Virginia.

Bids are invited until noon of Saturday, August 1, 1925, on furnishing all materials, labor and constructing certain extensions of the sanitary sewerage system, the same being a part of the West District of Sewers, and comprising the following:

The service sewer on McCoy avenue, its entire length.

The service sewer on Blue Ridge avenue, between Culpeper and Scanlon streets.

The connecting sewer between McCoy avenue and Blue Ridge avenue.

The sewer connecting McCoy avenue with the outfall from West street.

The West Street Outfall sewer, between Blue Ridge avenue and Interceptor.

The Intercepting sewer from Sta. 36.60 to Sta. 17 and a connection with the Run. The above includes approximately 4263 feet of 6-in., 8-in., 10-in. and 15-in. vitrified clay sewers, with some cast-iron sections; also 18 manholes and two hand-flush manholes or automatic flush tanks.

Each bid must be accompanied with a certified check, cashier's check or bidder's bond in the sum of \$500, which will become a forfeit to the Town of Culpeper if contract be not entered upon and bond executed promptly after the award.

The bidder to whom the contract may be awarded will be required to execute an indemnity bond, in the sum of \$5000 with some satisfactory guaranty company, to safeguard the proper performance of the contract.

Plans and specifications may be seen at the office of the Chairman of the Water and Sewer Committee, or may be had from him alone on receipt of a check for \$10.

This check will be returned only to bidders who may have submitted regular bids and returned the plans and specifications in good condition, both being done before the date set for closing bids.

The Town of Culpeper reserves the right to reject any or all bids.

R. F. BOOTON,  
Chairman Water and Sewer Comm.,  
THE AMBLER ENGINEERING CO.,  
Richmond, Virginia.

Bids close August 4, 1925.

**Water-Works Improvements**

Durham, N. C.

Sealed proposals will be received by the Mayor and Council of the City of Durham, N. C., up to 12 o'clock noon on Tuesday, the fourth day of August, 1925, for Water Works Improvements.

The work will embrace the furnishing of materials and labor for the construction of an extension to the present Mechanical Filtration Plant. The addition will be of reinforced concrete of five and one-third million gallons capacity per day and will include the necessary piping arrangements, mixing chamber, coagulating basins, etc., and a separate reinforced concrete clear water basin of approximately one million gallons capacity.

A new 24-inch cast-iron pipe line will be laid from the Filtration Plant to the city, approximately two and six-tenths miles long.

In addition to the materials required for the above items bids will be taken for five Venturi meters for pipe lines at 24 to 36 inches in size, and three motor-driven low-head centrifugal pumps of from 200 to 7000 gpm. capacity.

Bids will also be taken at the same time for furnishing the materials and installing the power and light wiring in the pumping and power station now under construction on Flat River.

Plans and specifications are on file with the City Clerk and blank forms of proposal, specifications, etc., may be obtained from the Engineer without charge.

Those desiring a full set of plans can obtain them from the Engineer upon the payment of \$15.00. Single prints may be obtained at \$1.00 each.

Certified check for three per cent (3%) of the amount bid for such items for which a proposal is made must accompany all proposals.

Bids will be opened in the presence of those interested, but the Council reserves the right to reject any or all bids.

By order of the Mayor and Council.  
R. W. RIGBY, City Manager.

WM. M. PIATT, Engineer,  
Durham, N. C.

Bids close July 29, 1925.

**High-School Building**

Alexandria, La.

Sealed bids will be received until ten o'clock (10.00 A. M.) July 29, 1925, for the erection and entire completion of a Three-Story Fireproof High School Building, to be built in Alexandria, La., for the School Board of Rapides Parish, according to plans and specifications prepared by Favrot & Livaudais, Ltd., Architects, Hibernia Bank Building, New Orleans, La.

All prospective bidders must submit to J. W. Bolton, President of the Board, a financial statement. No applicant will be given plans until this financial statement has been approved by the President of the School Board.

Further information with reference to conditions for estimating may be obtained by addressing the architects.

Bids close September 1, 1925.

**River Improvements**

Wharton, Tex.

Sealed proposals will be received by the Commissioners of Wharton County Conservation and Reclamation District No. One of Wharton County, Texas, for the improvement of the Colorado River in Wharton and Matagorda Counties, Texas, for a distance of approximately fourteen miles, as described in plans, in conformity with plans and specifications adopted and on file. Work will include the removal of all obstructions from the River, as described and specified in plans and specifications.

Bids must be delivered to D. A. Dickson, Chairman Commissioners of Wharton County Conservation and Reclamation District No. 1 (address Wharton, Texas), prior to 2 o'clock P. M. on September 1, 1925, at which time said bids will be opened by the undersigned.

Proposals must be on form prescribed, and be accompanied by certified check for five per cent of amount bid, as provided by specifications.

Copy of plans and specifications may be obtained on request from J. P. Markham, Engineer, Wharton, Texas, upon deposit of \$20.00, which deposit will be returned to bidder on return of plans and specifications.

The right is reserved to reject any and all bids.

A. P. BORDEN,  
W. W. DUSON,  
D. A. DICKSON,  
Commissioners Wharton County Conservation and Reclamation District No. 1.



Bids close August 4, 1925.

### Heating System and Concrete Pipe

Cullowhee, N. C.  
Sealed proposals will be received by the Board of Trustees of the Cullowhee State Normal School, Cullowhee, N. C., for the following work, according to separate plans and specifications:

First, Heating Work—This will include a new system of distributing mains in pipe tunnels, with branch lines in terra cotta conduits, together with certain remodeling work in buildings and furnishing and installing additional equipment in power house, together with the necessary connecting pipes.

Second, Concrete Work—This will include the construction of a concrete pipe tunnel, together with concrete manholes, etc., required for the protection of underground steam and hot water piping.

Plans and specifications for the above are on file at the office of Mr. H. T. Hunter, President, Cullowhee, N. C., and at the office of Wiley & Wilson, Consulting Engineers, Lynchburg, Va.

Copies of plans and specifications may be obtained by contractors of recognized ability upon application to Wiley & Wilson, Consulting Engineers, Lynchburg, Va.

Certified checks are required as set forth in the specifications, and bond will be required of contractor.

The right is reserved to reject any or all

bids, or to award contract to other than the lowest bidder, if, in the judgment of the Board of Trustees, the interest of the state will be best served by so doing.

Proposals are to be sealed and must be addressed to Mr. Reuben B. Robertson, Chairman Board of Trustees, care of Vanderbilt Hotel, Asheville, N. C., so as to reach him in time to be opened at the above hotel at 2.30 o'clock Tuesday afternoon, August 4, 1925.

REUBEN B. ROBERTSON,  
Chairman Board of Trustees,  
Canton, N. C.  
WILEY & WILSON, Consulting Engineers,  
Lynchburg, Va.

Bids close August 11, 1925.

### Paving Material

Bushnell, Fla.  
Sealed proposals addressed to the Board of County Commissioners of Sumter County, Bushnell, Florida, and marked "Sealed Proposals," will be received until 11 o'clock A. M. August 11, 1925, to be opened immediately thereafter, for furnishing material, delivered f. o. b. cars at points in Sumter County, Fla., approximately as follows:  
260,000 gallons asphalt.  
7,800 tons crushed stone or slag.

Each bid is to be on blank forms furnished by the Clerk, and is to be accompanied by a certified check or bid bond issued through a local agency by a bonding company

qualified to do business in the state, made payable to Sumter County, for 5 per cent of amount of bid.

Certified check or bid bond will be forfeited as liquidated damage if contract and bond are not executed within the time specified, if proposal is accepted; otherwise will be returned within ten days.

The right is reserved to reject any and all bids.

Specifications may be seen at the office of the Clerk at Bushnell, Fla., and at the offices of the Engineers, and may be obtained from the Engineers at Bushnell, Fla.

W. N. POTTER, Clerk.  
E. V. CAMP AND ASSOCIATES,  
Consulting, Supervising and  
Testing Engineers,  
Atlanta, Ga.; Bartow, Fla.;  
Jacksonville, Fla.

Bids close August 18, 1925.

### Incinerator

Clarksdale, Miss., July 2, 1925.  
The Mayor and Commissioners of the city of Clarksdale, Miss., will open sealed bids at 8 P. M., August 18, 1925, for furnishing materials and erecting a garbage incinerator capable of burning 10 to 15 tons of garbage per 12-hour day.

Each bidder will submit his plans, specifications and guaranty with bid addressed to City Clerk R. E. Stratton, Jr.

L. A. ROSS, Mayor.



## CLASSIFIED OPPORTUNITIES



### MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

#### NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

#### IN NORTH CAROLINA.

200 acres, 10 miles city of 60,000, on which is deposited: Clay for 600,000,000 Bricks; 200,000 Yards Moulding Sand; 700,000 Yards Asphalt Sand; 200,000 Yards Concrete Sand; 500,000 Yards Stone, Granite.

Best opening in South for Glass Factory. Fortune for capital developing this property. Railroad into this property. Wanting help to develop or will sell. Address No. 6471 care Manufacturers Record, Baltimore, Md.

#### COAL AND TIMBER LAND

FOR SALE—Large Coal Acreage, with mines in operation. Splendid Coal and Timber tracts. CHEAP. Easy Terms.

Factory sites on 3 railroads, no city taxes, cheap fuel, plenty raw materials; good lime rock on R. R.'s for crushed stone or cement. Pure Free Stone Water, Non-union Labor.

THE U. S. REALTY CO.,  
John H. Hatfield, Mgr.  
HARRIMAN, TENNESSEE.

#### TIMBER AND TIMBER LAND

I HAVE FOR SALE some large tracts of timbered and cut-over lands. Wire me for particulars. W. B. Luke & Company, Kissimmee, Fla.

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements. NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

FOR SALE—150,000 acres in solid body in South Georgia. Cut over twenty-five years ago. Now has two hundred million feet of Long Leaf Pine, fifteen inches and up at stump. Fine development proposition. Perfect titles. Address F. W. Blair, 808 West 6th St., Chattanooga, Tenn.

### RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

#### TIMBER AND TIMBER LAND

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida. H. H. WEFEL, JR., Mobile, Alabama.

FOR SALE—Thirty to forty million feet North Carolina pine timber. Near railroad and water shipping stations. Would sell either timber or timber and land. Especially suitable for colonization projects.

W. D. MATTHEWS, Vass, N. C.

#### TIMBER FOR SALE.

I have some large, medium and small tracts of pine, both long and short leaf, cypress and other hardwoods for sale. Let me know what kind of timber you want to buy and amount; I will advise you promptly as to what I can furnish.

JOHN M. COX,  
Waycross, Georgia.

GEORGIA CUT-OVER LAND for sale. Approximately 16,000 acres crossed by main line railroad; will cut 20 million feet of timber. Price \$8.00 per acre; timber worth the money.

JOHN M. COX, Waycross, Georgia.

#### FARM AND TIMBER LAND

FOR SALE—10,800 acres Hamilton County, one and one-half miles east of Jasper, the county seat. Will sell in fee simple, which includes nine million feet of timber, and we have had several offers for a turpentine lease. Price is \$16 per acre, one-third down, balance one to four years, 6% interest, \$15,000 binder, sixty days to close.

HOYT E. MORRIS, Owner,  
Vero Beach, Fla.

#### FARM AND TIMBER LAND

FOR SALE—152½ acres. This river-frontage acreage is just above the bridge on state road No. 1 and north of the point where the Withlacoochee River empties into the Suwannee River. The shore line is high, the timber is hardwood and because of its location this property will bring \$100 per acre in sixty days. Location, northwest quarter, lot No. 3 of section 7, township 1, south range 12, East Hamilton County. Price \$45 per acre. Terms one-third down, balance one, two and three years, 6% interest, \$500 binder.

HOYT E. MORRIS & CO.,  
Exclusive Agents, Vero Beach, Fla.

FOR SALE—523 acres, with high bluff 30 to 60 feet high, frontage one and one-half miles on Suwannee River, covered with hardwood timber. Part of the back land has been farmed for several years. Has one mile frontage on hard road from Live Oak to Perry, Fla.; also has railroad siding on property. High and dry; not one acre low land on tract. Location, parts of sections 17, 18, 19, 20, range eleven, township 3, section 25, township 3, range 10, Hamilton County. Price \$45 per acre; one-third down, balance one, two and three years; 6% interest, \$1000 binder. Brokers corporate.

HOYT E. MORRIS & CO.,  
Exclusive Agents, Vero Beach, Fla.

### WALNUT TREES

FOR SALE—15 large walnut trees, growing ½ mile of P. R. R.; 20 mi. from Philadelphia.

THOS. A. PRATT, West Chester, Pa.

### FARM, FRUIT AND TRUCK LANDS

#### ALABAMA

FOR SALE—High-grade cut-over pine lands, in cultivation and raw, especially suited for peach orchard. Have fifty thousand peach trees bearing now; Monroe County, Alabama. Correspondence solicited.

BLACKSHER CO.,  
Mobile, Ala., Mobile Co.  
BLACKSHER STORE CO.,  
Uriah, Ala., Monroe Co.

#### FLORIDA

SEE MR. FOSTER—Listings wanted direct from owners of acreage, colonization and timber tracts, Indian River and ocean frontage. We have numerous clients and have inquiries for all kinds of Florida land. P. J. Sexton, Melbourne, Florida.



## A Line of Windowall Service That Covers the South

At every point on the Fenestra Line there are complete Fenestra Organizations prepared to give prompt and efficient Windowall Service from the layout of the window openings through to quick delivery and final erection—all on definite time schedules and without reference to the home office in Detroit.

Thoroughly stocked warehouses

and experienced sales engineers are located along the line at strategic points within easy reach of every section of the South. Wherever your building operations may be located, Fenestra men are prepared to co-operate with your architects and engineers—on short notice. Telephone the Fenestra Office nearest your building site.

DETROIT STEEL PRODUCTS COMPANY, H-2248 East Grand Boulevard, Detroit, Mich.  
For Canada: Canadian Metal Window & Steel Products Ltd.  
160 River Street, Toronto, Ont.

# Fenestra

*for* all industrial structures  
commercial buildings  
schools and institutions  
homes and apartments



1922



1924



*These views illustrate the simple, economical expansion possible with Austin standardized construction. Note how the expansion enhances the general appearance of the plant.*

## How Austin-built Plants Grow

**T**HE problem of expansion never worries the owner of an Austin-built industrial plant.

He knows that Austin standardization means, among other things,

### Economical Future Expansion

Under the Austin Method the addition of greater plant facilities from time to time is accomplished at low cost, with a minimum of interference with present activities, and in the shortest possible time.

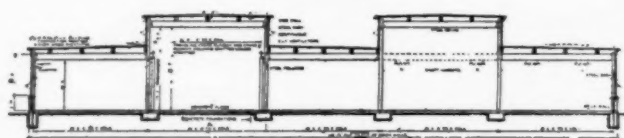
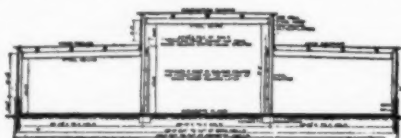
He knows that Austin can add to his plant in any one of the three dimensions or erect separate buildings adjacent, and still maintain a unity of design and architectural treatment

that prevent the additions from looking like afterthoughts.

Aside from harmonious appearance he knows that the expansion will be economical as to cost: efficient in its relation to present processes and that the work will be surrounded by the same guarantees and assurances of satisfaction that have marked his previous experience with The Austin Company.

An Austin building contract guarantees in advance a lump sum price for the project complete, a definite delivery date, with bonus and penalty clause if preferred, and quality of materials and workmanship throughout.

Wire, write or phone the nearest Austin office for full information.



*Cross section of Austin No. 2 Type Building, showing how expansion is made possible by Austin Standardization.*

THE AUSTIN COMPANY, Cleveland  
You may tell me more about Austin's  
Building Service.

We are interested in the construction  
of .....  
.....data .....  
Firm .....  
Individual .....  
Address .....  
M. R. 7-25

THE AUSTIN COMPANY - *Engineers and Builders* - Cleveland  
New York Cleveland Pittsburgh St. Louis Chicago Philadelphia Seattle Portland Detroit Birmingham Kansas City  
The Austin Company of California: Los Angeles and San Francisco  
The Austin Company of Texas: Dallas

# AUSTIN

Finance Engineering Construction Equipment

